

<210> 2674
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 2674

cgctgcaagc ttgaacacca tataagtga ggcaaaaccc ttattcctaa gccttaaggt 60
 tttggattaa agcgtgggtt catgttcaact tatgggtgttg cttgaggctt gttggtgcaa 120
 atctccctaa tgggtacccc tctcgattgc accaaattgg gatcagagct ttgattcttg 180
 aaattaaatg ttatctatcc tttgggcttt ctttttattg agcgggttct catttggttg 240
 ctctttccct tttggttaac tttatattat tatttcatcc tcctttgctt tatttccttg 300
 agactatctt tctttttctg aactctatct agcatcaata tcttttttac ctttttttaa 360
 taaatactac caacaaattt gcgcacaaaa agaaagaagc gaaaaaata tataattttc 420
 aaaatttgaa gcc 433

<210> 2675
 <211> 208
 <212> DNA
 <213> Glycine max

<400> 2675

tggtgtttca cctatggaga ttttgaatta aggggggtgtg ttatttataa ttcagaatat 60
 tagttgtaaa gtttggtagt ttgtttagtt agttgagtgt gataagacag tgattgaggc 120
 tgaacttgag ttgtataaat agcctctgtg taatttagtt cataatgcaa ttcattctcat 180
 tttagtatat gctttttcct ggctttct 208

<210> 2676
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 2676

agcttgcttg gtagatagtc aaggcttga cacctactgt gggttggggc ctggtacgct 60
 ccctaattggg gggatacggg gtcgtcacac aaatctacat caaatatgtt gtcgccttca 120
 agctttcagc ataacattgc tgttctact tttaatcttc cttgacaacc atgatatctc 180

ccatcaaggt ggggactttc atcttgaaat gtatggagat gatgactcct agctcgtttg 240
 gtgttttcct gccaatcaaa gcaaagtaag aggtatattgc accaacaatt aaatacctaa 300
 ttgtgaagct ccttgagaga tggccttgat cgaaggttgt cattatgtca acgtagcctt 360
 ttgtctctac tctttcttcg acaaagctga ggagtgatcc acagtgtggc tggattggat 420
 caagtgagac tccagccttt gaaatgttt 449

<210> 2677
 <211> 501
 <212> DNA
 <213> Glycine max
 <400> 2677

gcatgcaagc ttgcatttgg aattgcgaaa gccccactcc atcattaaga ttagtacctg 60
 acatctcaaa caaacaatc aaacgtaaca agacaattat agttgctgtt tgaatacctc 120
 acccactcaa gggatcaca caattatggc ttttctctaa tgaaacactc ttgcctttta 180
 ccactcta at tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac 240
 aattcaccaa tatgtgtaag gtaaggctag acaaagaaaa ggtaaccaa gaaaaaggct 300
 aacaatgttt ttaggcacca atgaaggaaa caaaattcag aattcatgaa ttcaagaaac 360
 aatccttcat gcaacaaaaa tattacctta aaagagtttt ttttttaagt ttttcagcca 420
 tgaaccattc agtccaatt tttttttttt ttaaattttg cttatcgaaa aacctgcttc 480
 tttttttttt ttaaaaccaa a 501

<210> 2678
 <211> 201
 <212> DNA
 <213> Glycine max
 <400> 2678

tgcagtgaac tttcttggtta cgggtttttt ggcattgaaa tatggaagac actaggactc 60
 acaggcaagt gggacaaagt ttgtttgtgc gagttgacaa gcttcagtta ggtactctcc 120
 ttatttctta cttaatatg aaaatccatc attatttttt ggtaacaata aatagtccat 180
 gattgttatt actcgtttga g 201

<210> 2679

<211> 950
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2679

gaaagatgtg gtgaggnagg gatagactag atagaatgga atgtcagatg gaatatgtga 60
 ttgaatgaat tatgactcac acaaagacca acggggnttg tgacttgtga agtaccggga 120
 ttttgaaaaa gacccgagcg atgcaagcta tagnttnttt tattaatgga tagaatatta 180
 tgggtggaaga tagaaccatg gaaggcggat ccacataaag ggaaaatggg tgtgttgtaa 240
 gaattcagtt ttttcagata tcgtaagcta aatgtttggg tgtatattag ttaaattattc 300
 caattataat tggcttgatg aaagaattat tttatattgg ggaacacgat atagaaaata 360
 agataataag aacgtttggg taatagttaa atttattttg ggatcgaata tgtgagatta 420
 ggaggggaatt atttttgtta aaggaattgg ggggtttgtg aaaaacaaag tataggtagg 480
 gtgctgttgt aataacaatt tattagaagg agtaaaatta taggggcgat aattaaaatg 540
 taaataatta ttaattattg gggtgaaaaa aaaggatgga atattttgga aagggtctggt 600
 ggaaggggtac aggggtgggag aggttgata aattacaata agaatatgag ttttggttat 660
 atatttgatg tttggtgagg gagggcggaa attaaatatt agttaatttt tgttgagaaa 720
 gaagtgatag aggtatatga ttggggggga cgaattgtat tttatttatt atgacagatg 780
 ttttgagggg gaaaagtatt gactaattga gaattaataa aagcatggtg ctggaggggtg 840
 ttggaattat aggacaaaaa taaatgagat ggaaattggg tgagagggat tatgtaggga 900
 aaatttatgg agtgattgaa gagagaatag ggatgaggat gtgtagatgn 950

<210> 2680
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2680

gcttagngac cccaacttga gcttaatgca gggaacatgc ttttatttgg ttttagaggt 60
 agaaaaacat gaaaattagg attttcttgt gagagttttt gctcgaattt tggttgcccc 120
 atgtttgata ctttacatag agggagcatg ggaaacacct tgcaatagtg tggatacata 180

<210> 2681
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 2681

agcttgtagg attatggggt acccatcaca tgttgtacta tgtggcggtc gggcgatggt 60
 gcacaacaag tttttccaaa ttcacaatgc gcgcataaac ccaccatccc ctggtgccca 120
 cctccaactg agctcacgta ctcccacgta gcccatatcc ttgtttctct caacaccggg 180
 gtcccatcaa tcttcccaag cttccacaat atccaaacaa aacaacattc acacagcaca 240
 agctatcaca gccaagcaaa acagagcaaa ggcagaaaac tctgccaaaa caccaaccaa 300
 aatcacagc tttttccact caaagacgcc agtaacaatt ctttctatcc aattcgtaaa 360
 ccgttggatc gactccacaa atatactgga agtctatagg gcataaccta cattttgacc 420
 gttgggaact actagcaaac atccagaact cattctacat tactctttcc caaccagca 480
 aaacatggat ttt 493

<210> 2682
 <211> 194
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2682

tttaattgat acttcatatt tcttatagga tgagtaatcn ggtttatggt caattaacaa 60
 ctttattatt aatgcggcat attatacagg gggaaatata agatcccacg agtcttcgcc 120
 ttacatgtcc cttcttcgcc ttaagcatac aacaccacac ttataatctt cacgtctttc 180
 ttaggagcta taac 194

<210> 2683
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 2683

gctttcacia catccaagca aaacaactat ttttacagca caaactacca cagccaagaa 60

aacagagcac aggcagaatc acagcttttc tcacttataa accccagtaa caattctctt 120
 cgttccaatt cggtaacccg atggaatcga ctccgaaaat tttacctgga aggcctctaa 180
 aacctcaagc ctacattttg accggtggga tctactagca aacatccaga aatcattctg 240
 gactactctt tccacagcca aatacacaca agcatttttc tgcacaaaag caaaaacctg 300
 ctgcacccta ttttgacagc aaaatactgg ataagcgcag aacttgaaaa atacaccttc 360
 ccctatccag atcttgccaa atcaaacct acaagcccc 399

<210> 2684
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 2684

aactaaattg tttggacaat attattttta actaacttaa actaatattt aaagttacta 60
 ctcataagga agtatgggcc ttgattagc tcattctaate ttcctaatta aactaattac 120
 acaaagcaaa gtccaaattc acaacccaat tattcatcaa gtgcagaggt tctgacttcc 180
 aagc 184

<210> 2685
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 2685

agctttttgt tgcgttaaatt ttcttaaatt ttatcacaaa ttcaaacct taagccaccg 60
 ggtcaacaat agaattctttt tattgctttt tttctaaagt tggcacaaaa aaacagatgt 120
 tcaattatgt gggtagataa ttccaccaac aaaattattt gttaaagtga actcaatctc 180
 tcacagtagc gtaagatcat attatattta tatgtggaaa aacaatttat ttaataaaaag 240
 aaattatatt taacttttat cgcattgaaa actttattta attaacgacg aatatgccat 300
 tgcaacggaa ttaatctatg accaaatgat ttgaaagata tctatgattt ctgatttagg 360
 ttaattaaaa aaggaaccaa ttcattttt taattattta taacttatat taactaaggg 420
 aataaaaatt tcaattctat tctcatttg 449

<210> 2686
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 2686

tgagactttg agaaaggagt atgacagata tgagcctgag acttttagga aagaacagag 60
 tagagatctg ctacaagaaa agcatttaaa ttctggagat gaccgttgtc attcctcttt 120
 atcccattgg ccagcatata caagagaatc tccttcagca gattgttttag ctaaattg 177

<210> 2687
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2687

atgcaagctt ttttgagggt gccttattgt gtgctatattt accttcctga aacaacgggt 60
 accttaaccc tcccccaaat taggggcata tcatgactaa aatccttatg ctctcttaaa 120
 ccctaaaana aggtacgaga ttattaaagt tcgcttatgg agtttacaaa aaaacatgac 180
 tattatTTTT ggctcaaata acgtgcgaag gatataaatt atcattcagg gctgggtttt 240
 tggccaagtg gctgaaaata agaagaaaca aagccttgat cattttcacc tcatgtaatt 300
 tatc 304

<210> 2688
 <211> 198
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2688

cttctttggt atgatatgat gataaaattg ggntggtaac ttactaattt tcaagaaaaa 60
 tatggacttc ttgtggatac aagatcataa atgttctgaa agttgcaagt tgaaacattt 120
 cttgttgtgt cccctgaaca taacctcaac ttctacatta aatgttgac aaacaggtcg 180
 atggtcagag aacttaaa 198

<210> 2689
 <211> 1042

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2689

gtggggttga tagatattag atgataagga atgtatggta tattgatgta ggattatgta 60
 aataagtgta tcnaaataaa tgaaagagna cnttgtggct ttgagaacct tgggagaaac 120
 cgcgcattnt ntagagaaaa aaccgcgcga atggtagaat tgatagaaaa atgggtataa 180
 gtatatatat tatattgggt aagtntgtgg agggggggag tgagaaaaat attatagtgt 240
 aaatgcgatg agatttatgt ttaatgtgaa gaaaatttgt gttaaataaa agtaaaaaga 300
 tgtgaaataa tggagaattt ttaattaatg ttaggtggaa gatgatattt aaataagtat 360
 gtttaattata gagtgtaggg tgtggaagga gattaaagta tggggattat ggaggtgagt 420
 gaagatttta agatagatgt gttgggaatt tgtggagttt ataagttag gatgtagaga 480
 aaagaattat gaaagtattg tattaggagg agtggataga ttattgtgtt tgggtagggt 540
 agaaaattta aaataagaat agagtgagaa atataggtat tagttgggag atagatgata 600
 gtgatgtggg ggataaattt gataagatgt tggatgatgg atgaatgata ggtggcgagt 660
 gaataagtaa atatttttgt agagtgaaga gagtttgatg attgaagtag agaagtatag 720
 ttagatgaat gtatataagg tagttgagtg agaagtatg atggaaatat atatgagaat 780
 tgtagattga attatgtgaa gtttaaattg tggatataga atttatgtga ttgatatt 840
 gatgatttat attgatagtg ttgttgtgng ggttattgaa agatggattg agtatagggt 900
 atattgtatt attagtagtg tgatacgtat ggtggttatg tgaagaggat aaagagatgg 960
 gaagactaag tgaaaagttg tgaaaaatgt tagggatgtg atgtatttat tgtggatgaa 1020
 gttatggatg tagtgagata ag 1042

<210> 2690
 <211> 164
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2690

aaanaaatag taatgattta tagttagnnt agttataatg aaggaaagtt naagtttgtt 60
 tggatataga aaaactagtg aatgaaatg atattaaaag agnagataat gaaaggtaag 120

ataanttttag ttttaatgaa antgatagtt anttttnatt agta

164

<210> 2691
<211> 925
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2691

nnttgacacc cnnatttaag tcctcgaacn nntttgtntt ggaagtgcga aaaccanccc 60
ncnnattagt nnnnnnnnnn nngtatnnan ngttagtatt tttttatttt aaagngaatt 120
aatataggtg tgggggtgat gtttatagtt ggatgaaatg gaagaatgat aagaagaatg 180
ataaataagg ggagggggaa gaggtatgat aaagaaatga ggaangttaa tggtagaaaa 240
tggaggggtg atgtatatag gagaagtagg gtggggaata tgtgaataaa aataggagaa 300
aaagagatta gggggatgtg taaaaggaga atgagtgtgg aggaaaatgt attttatatg 360
gaataatatg ataatttгна ttggaatgta gtgttatatg gttagatatt atgaggatta 420
aaataagtta agtagagtgg taggaagagg tagtaataat gtaattgata tagttgttgt 480
atgtgtatgt aggggattga agatgttttg aatgtattgg ttagatgaag tgtatggttg 540
tatggatata ttgagttatt gatatatgga ttgatgaatg attgtatagt gttagaagat 600
ggtatgaaga gtaggaataa ggggaagatg tggtgagaga agaattgatg ataataaata 660
agtggaagtg aatgtaaata gagtgaatta ggtggattgt ggataaggaa tattttgatg 720
gtaagtttga gttaggattg gtgatgtaat atgtaaatat gtgatgatta taattagagt 780
tatgtatagt ttatgaatgt gagagaatta aattaattag gatgtggtgg tataaggtag 840
ggattgtata tagttggtat gtataaagtt tattggataa aaatagggtg agtttaggta 900
tggaattagg aaagtaagtg gaatg 925

<210> 2692
<211> 781
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2692

nttgaacact gatngcacgc gatgntgagn tacatgtcta ttnnattgaa atatgtattg 60

gtaaanntnt ttgtttgatg tggggaaatt ggaggggggg gatatttggg gtggatagga 120
 ggatactata attttttgaa gagatggggg tggataatga gnagagtggg tatagggaaa 180
 gaaatgttgg attatttaag tatagatgag aaagtagttt aaaaaaattt gaacgatatt 240
 tatgatatta atgaaatttt aaaatttgat tgttgtgagg gggttgaaaa gagaaatatt 300
 cttgaatatg gtaaagagtt tttgatattg aaatattata gagatgaaaa taaaggggtt 360
 aagattagaa ataataataa tagttgtatt attaataata aagaggggaag gttatttcta 420
 gatgaagggg ttaggataaa aaggagatta tgatatttgg atggagaaaa aaagagatga 480
 atatagaaaa taaaggagat gatgagatgt aaaagatggg aagtatgttt tataaagatg 540
 tgtgagggaa taatgttaaa atatatatat aatggaaaaa atgtaaattg atggagataa 600
 tataataaat tatttttaggg agaaagaggg ggtgaattgt atgtagaagg aaaaattgtt 660
 gtgtatgtat tttatagatt gagtgttaatt agatataaaa gtaaagaatt atatatatag 720
 gttgatatta tattgattat aaggaattat aaatgagaat tgaaataaga gtagatgtaa 780
 g 781

<210> 2693
 <211> 146
 <212> DNA
 <213> Glycine max

<400> 2693

ttatttaaat gaatttgggg ttgggggtaa atcttaacat agttttttcg atagataatg 60
 taatgtgatt tgtataaaga tgttatggga atgttgtaac aatgctttta aaacttattg 120
 atatattctg agaggttgga tgtaat . 146

<210> 2694
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 2694

ttgtaatacc aatatcaata attttaatta tattagagat aattgcactt aacgtgacag 60
 ggcacgctaa acgcacaaaa aacaccataa attttctaatt ttgtctatga aaacaacata 120
 tacttcgtct ttagacgtaa cataccgcaa cttatacgaa ggtcataatg catattgaac 180

ttttac

186

<210> 2695
<211> 171
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2695

gaacgaaggg gaaaaagaga ctatgtatgt ttacttgccg cgaatttatt cttcagcaac 60
gaaagtcccc ccatagacta tggatnatgg actgattggc gcttgaaggg acatatgtga 120
tctgttgat atataatgac gagaaaatgg ttgaaagaat gcaaagaaag g 171

<210> 2696
<211> 408
<212> DNA
<213> Glycine max

<400> 2696

agcttgagta aatatcttga ggaggccaaa ctggtctaac aatatactta aaatcaattt 60
gaagtcatat aacatttgtg attcaaatac atgttatata aattggtttt ataagtattg 120
gcattacaaa agtaagtacc aaatgaaaca caaatattac atctatttaa actattgctt 180
ttcattcttg gaagaagtca cccaaaataa tcaattcaga gctaaaaaat ttaactattt 240
cttttttaat ataaaatcta actaatcatt ttgcccaaaa aaagaggggaa aacccccacc 300
aaagtataag tatttatgaa caacaagaat ttcaataaat attttttttt aatttgagaa 360
attttaaaaa attaattcga aacttgtaaa aagaaaattt tttcccac 408

<210> 2697
<211> 204
<212> DNA
<213> Glycine max

<400> 2697

cttgaaaaat atgctgagga gtgcgttatc tgcgataatt gatgaaatgt attcaacttt 60
cataaaggac agacatatcc ttaatggaat tctgatcctt aatgaagtgg ttgaggaaac 120
tttgaagaga aagaagccag ttatggtttt caaagcggat ttctaaaagg cctatgattc 180

tgtatcttgg tcttttttgg atta

204

<210> 2698
<211> 212
<212> DNA
<213> Glycine max

<400> 2698

tcaagctttt ggaatataag ctgaggagag tggtatctgc gataattgat gaaaggtctt 60
caactttcat aaaggacaga catatcctta atggaattct gatccttaat gaggtgggttg 120
aggaaacttt gaagagaaaag aagcctgttc tggttttcaa agtggatttc caaaaggcct 180
atgattctgt atcttgggtct tttttggatt ac 212

<210> 2699
<211> 481
<212> DNA
<213> Glycine max

<400> 2699

attgaaaaga tttctgcttg attgagtgc tttggcatgc catgggtatt ttggatcgac 60
cggaaggaga ccaagtttct ttaaagagag cgtactgcc agcaaaagct ggcttatctg 120
gatccaaggt tgctatctta ggtgctgctg cgctgggcct gggagaattg gacaaccctt 180
tacgttgcta atcaactaga ttctgttctt cttctttatc tttatgatgc tgtgaactcc 240
cttgggtactt gtcaactatg ttatccatat tacacttttt tgcagatgcc ccgaaagggtg 300
gcttttattt aagaggtatt tcttctcttg tatattcaac gaaaaaatat ggtagtactt 360
gaagtatagt gttacagatt tacaatatata aaacaaatta cctggggcaaa gagatttcat 420
tccccacta tgaattacct ttaaagggtc acactttctca cagtatatat acctttaacc 480
g 481

<210> 2700
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2700

agncggtgga ccgtgccatg catgatttat tttttangga gcggntaaat aattagggta 60

atgcatactt cttttaatta ttttaataata agaaataaga attttttatt tttttaaata 120
 taagtaaatt ttaattatct ctgttttatt taatgaaatt ctctacaaaa cttcttttat 180
 ttaataaaaa taaa 194

<210> 2701
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 2701

ttcattaagt gggattagag cacacagagc ttttaagtagt gctaaatggg gtttcttcat 60
 taatgataaa attaatgaag aatttaagta gcacaagaac tccttaaacc tccattaatt 120
 ttcagcttta ccttcccttt cattggtggg tcttcatttt tctccctgta tctcctcaca 180
 tgtctaaggc ttaatgtttt taacatgatc ttttagaatt tccactgatt aaacttgcta 240
 tacaagctag attttatttt ttatgggtca aatttcttgt tcttgaacca taaattgggg 300
 tgagttaagg tcctttgagc tttggattgc tattttttgt ggctgaaacc tgaatgataa 360
 aattcttata aaacctttaa gtagaagaaa accctcaaaa atcta 405

<210> 2702
 <211> 1030
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2702

gatgtgggag agggangatg aggtgtaaga agaagtatga ttgaaagtgt gcatatgtgg 60
 agaagtatta tanncctcc aggaggggtg agtctgtanc actgccnnnt tgggaaaaaa 120
 gcccggccng ngagngggag ggggnanngag gggggaagaa aggattaaga gttttttatg 180
 aaganaggag ggttgggggg ggggggggtg ggaatagtag tgataatgtg gggggggaat 240
 tgggtgggag gggtaagggtg tgatgggtgg tttgggtggg gggtgagaat aaggataagg 300
 gggatgaagt gggggagagg ggtatgaggg agtggggaag ttgtgagact tatgannnnn 360
 ngngngnggn gggagnggga ggaggaggag gggagggagg ggggaagagg gggggggaga 420
 agggggggag gaggagaggg aagaggagga ggaagaggga ggggggaaaa gggaagagag 480

ggtgggagga ggaaggggga gaggggggag ggagaggggg gagngagaaa ggaagagagg 540
 ggaaaagggg aggagaaagg ggggggaggg gggggggaag agagaggagg gaggggggga 600
 ggnngggagg gagaggggga tggangagag ggagaagggg atgaggaagg agagaaaggg 660
 aaagaaggag gnaggtgggg nagnagagga gagaggaggg agaagganag ggtaggagaa 720
 tgtggtagag ggtgtgaaga ggaatggatt gtgatgtgga gaagatgtga ttgtggtgat 780
 agattgggaa gagtgggtag aaggagttgg gagtggaata ggggtggggag agaaggatgg 840
 ggaagagggg tgagagaggt atggagttag tgggtgtggtg agaggatgtg tggtagagat 900
 gagggggaga tgaggtggta tatgtgatgt agagaatggg tgtgggatgg agtgnangag 960
 agatagaatt gtgatgagga gtgggggtag tgggtgagtgt gaagtgattt gaggttgatga 1020
 ggagaaaggg 1030

<210> 2703
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 2703

agcttgccgc acgggagaag ttggtcccca gcgaatcaag atatggactc agataagggg 60
 gtccaaaact ctgtgctgaa atttcaaggt tatgaaacaa aataagaatt caaatccttc 120
 atcaggcaat aatatgcata ataaaattgc ttcacgtgac aagtcattcg atcatgtata 180
 gacttaatta ttaattttgg tctaacaatga aaaagtgaat gaatatatta tcatgtatca 240
 tagcttgaca atgattaaaa tgttcatgga cgtacgaaat ttattttact tategctaaa 300
 taatatctac ccttcataat ttaagcctac atttttatat ctggtagctc ctttcctaaa 360
 ggcggtttta acttacaagt tatatatatc gatgtcatcg tttgaccaa aaaaatttgt 420
 ggtgaaaagg cggaggacaa gaaagaatga aaagaaaacg gatctgatac catgatagcc 480
 acacatct 488

<210> 2704
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2704

ttccccgcgag tanaaacatg ggaccaactc attttatttc aaatatagaa gtcgtatcca 60
 gtcaagggtct gagagaccat acaagtttcc taacgatttc taattatgtg ggccattaag 120
 tctatcatat gctgacaata gccgagaagc ccatgaatct cttccggggg ggagtaggtg 180
 tctgccatcg tcttggcctt ggctaa 206

<210> 2705
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 2705

agcttatgcg cataacttgtt tacgaacgtt ttcttgctca agacattttt ataactaaga 60
 aaaatgccc catattcaag tcaggcacct tcgctaccta gattatttat atgtacttcc 120
 aagggtggagt tggtagctac atttcatgca ctttcttggg taaatttaca tacaatgccg 180
 acttcaagca tttgggggac caaaaaatgc acatgcgcac attccggtat ttttaaaact 240
 tatgcatata caaactttgg gaggaactt ggctatctac acagttaagg gaaacatttc 300
 atgggttaat caagtgtttc aggaacctaa agcccactgt catttc 346

<210> 2706
 <211> 202
 <212> DNA
 <213> Glycine max
 <400> 2706

ctgagccaaa atcttgactc accgtaaacc ttgactcttg gtgtttaatg tcaatcctta 60
 ccctcggaag caaataatag aagagaagga aaatttccaa tctaaggaaa aaagagagga 120
 aaggaaattc ccaatcaaag agtggggagaa agcataaaga aaagaaagaa aattccta 180
 caaagaatgg gagaaagaaa aa 202

<210> 2707
 <211> 510
 <212> DNA
 <213> Glycine max
 <400> 2707

agctttataa ccacaaacaa aaaattattt gttattagct ttttttaaaa caaaaaatat 60

gacatatgtt aataaaaacc atttcataca ctctgcaaaa ccatttcata cagtatttgt 120
 agtgtactct caatggaaat acacttatga gataacctct aatctttttt tatcagtga 180
 aaactctata aaaaaaggta aaaccaaaag atagaaactc caaggacctt ataagtccaa 240
 tcagctgagc ccactgagca tcaacagtac tccattgatc cccctcaata accaaaacaa 300
 tatgaaatac ggcatgtgag aataggggtca aagaggataa cattagcata gaccatgata 360
 tcaaagatgg ttgacagacg cgaaatcttg ttgcaataca gaaaaagatt cctacataaa 420
 taaagaataa ctagtatata gcatctacaa actagaaaaa gaaaggccag tgatgaatga 480
 taaaaagaat aataaatctt tatgtccaac 510

<210> 2708
 <211> 198
 <212> DNA
 <213> Glycine max

<400> 2708

tgaggataga gacttcccaa gctatttatc ttctctctca gagaggctct ctaactttct 60
 agctttctta ctctaagaag tggattcact cttgtcttgg atcgactcac tctacggtgg 120
 ctcaactcaag cttgaggata gagacttccc aaactattta tctcaaaaat cctcccaact 180
 acttcaaaaa tttccttt 198

<210> 2709
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 2709

agcttgtagg attatggggg acccatcaca tgtggtacta agtggcggtc gggcgatgg 60
 gcacaaaaag tttttcacat ccacaaagcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatattct cggttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccccaaca atcaagtaat tcaacaataa aacaacacaa 240
 actatcacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccctag gaacaaattc ttcgttccaa ttcgttaacc 360
 ggtggatcga ctcgaaaatc ttactgcacg tctctggacc ataagcttac attttgaccg 420

ttgggatcta ctagaaaaca ttcataacta attctgcact actctttcca cagccattca 480
cacacaagca tttttct 497

<210> 2710
<211> 197
<212> DNA
<213> Glycine max

<400> 2710

tttgtatggg gcttaatgct tgatattacc aacaaaattc aatctcagca acagaaacat 60
tcctttggct gaggaggata cgcggtgccc attgtaatgc aactgaggag agtgaaaatc 120
acaagttttt tgcttgctgg ttctcatcac aaatctggaa taaatgttat aagtgattga 180
gagtatagat ggtacaa 197

<210> 2711
<211> 318
<212> DNA
<213> Glycine max

<400> 2711

agcctgaatt gacggatctt tttgtgagta aataaataat aagaagtcca ctttgactgg 60
tgcatttttg caaaatgtct taatggagta acctcaaact atatgttttg ggcttaaact 120
aactaacctt tactttttca agaaacaaaa atcttcaaaa tcacgatcaa gacctaacctt 180
tgaaatgaaa gacgtcctc caaagaagca aaagcagtgg caatgaaaac actctaaatg 240
cttaaagctg taagcaaaac tctctttctc tctctttctg tggatgaatt gtcaacctga 300
gagtttactt aaactagt 318

<210> 2712
<211> 204
<212> DNA
<213> Glycine max

<400> 2712

tcctgtggat gaggggataa gatgggacga atgtgttaaa tagaaaatat agaagaaagt 60
ttacgatgaa aatcattttc tttggtagta cataaaaccg aattgaagga taacaatttc 120
tttttttact gtgtcttctc tgcctttttt ttatagaaaa atgttgtttg caatatttgt 180

gaagtatcct gttacaaatt acaa

204

<210> 2713
<211> 340
<212> DNA
<213> Glycine max

<400> 2713

agcctgctct aaatttacat tgatgtttgc atttattgga ggaggttgta tgtcattttt 60
gttttaagag tagtgtccca ctggtaaaac taacttttcc aatgtttgcc ctgcaggaa 120
atggcccca ggaagcttgc ctcaaagagg tccaggaagg acaaagcagc cgaaggaact 180
agttccgctc cggagtatga tagtcaccgc tttaagagtg ctgttcacca gcagcgcttc 240
gaggccatca agggatggtc gtttctccgg gagcgacgag tccagctcaa ggacgactag 300
tatactgatt ttcaggagga aatacggcgc cgccggtgag 340

<210> 2714
<211> 208
<212> DNA
<213> Glycine max

<400> 2714

tgttgtgcac catcgccga cgcaccta gtaccacatg tgatgggtac ccataatcc 60
tacaggcttg agatgaggaa gtgtgaagg gtgaaacttc ctgcttttat tgttgaccac 120
agagtgttac ctggagatat gtcgcggggg tcaggagacc ttggggacgt caggtggggg 180
gctattgccc aaaatcaagc ttgaccaa 208

<210> 2715
<211> 901
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2715

tatattgggt atttccctac atctgctct cgggtgaatg cttecgctatg gccgttttta 60
ttaacaacaa aacgtcaatg gttctaataa attctgatac tttttggtta atatagttgc 120
aaccctttgg ttcataataa cagccttgaa ttctttaact cttgtacatt ggctaaattt 180

gagcctgtgc ataaaaccca tcctttgtat agtcactaac accaattgtg taaaccaa 180
 ctccatcagg atacaatttt gaatacccat tccacaatcc atactgcccg aacctacaag 240
 ttgaggaaaa aaagaaaaat ctaagaacag atcaactgac atctaaagga aacattttca 300
 tacaattaaa aggataataa gcacagttagg ataaagattt atcattttca tcatttcattg 360
 gtggagtaat aaaatgtagc acacatccaa aattagcaaa tccattaaag ccatataagg 420
 acaaacaaaa a 431

<210> 2718
 <211> 203
 <212> DNA
 <213> Glycine max

<400> 2718

taatcagctg atcaggaaca tagtatataa tatgctggacc tataactaaaa attaagagaa 60
 atttgttgta ctttaaataat gatagtcata tgtgggacct tttatacaac atgagatttt 120
 tttagtctta aaaaattaat aacatttttt tattgatggg tttaaagttt aaatttttagt 180
 tattttatca ttaaattaat ctt 203

<210> 2719
 <211> 894
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2719

gcgacctgtc tgtagctaaa caactcacccg atttggtaac acttctactt aaataacaca 60
 ttgtacattc gtatctcacc cttactcaaa nncagacnn ttgtgacctc ttgtaccgcc 120
 gacctctaca tcgacctgcg gcatgcaagc ttgcagcaca atcactaaca acatagtatg 180
 tgtttttgag caagaagcct cctaccaga tgacgagctt tgcaggcttc aaaacatgtc 240
 ggaagacgac cctgaagata ctaatgaaac ctttgcggaa ggtgatggag gtagacaaaa 300
 actaaatgca caattacttc aacaactagt cttggttgaa ccaaaccagg aataatgcat 360
 attaaactgaa aatgagaaca aaaatgactt ttatgatata gacacttttt aggaaaacca 420
 tacattttaa gtgaacgcgg ggcctaactt aacggggacc aatactttac acctggatgg 480
 acggggcgat gtatattaac acatttttaca gccatctcaa ttgaaagaaa acctaccatt 540

ttggccgcac aaaacatgct aagaggggggt tcatataaga ccaacttaaa ctgttaccaa 600
 acacatatgg agaagggaac tccctattaa ataaatgcgc cttaaaggaa aggccgacac 660
 cctcagatca ctctccaga cggacggcct cgccaactca acatctaccc ccacctcccc 720
 gtttactacc tcaaagcact acgctcattc tcctcaacaa cagataaacac cgcttctcat 780
 cctacctcga taacacttta ttatatgtat ttttttttat ttatccccac ccccatcacc 840
 cccccccgc cccttgtca cccccctat taattgagtc ccccccccc cccg 894

<210> 2720
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 2720

tacaaatcta ttttcagtcc aagaccataa accagataaa attttatatg gacaagataa 60
 gataatattg gatgaaataa aatctggacg aaataaaatc tagatgaaat aaaatcagga 120
 taagataaga tttgataaaa taaaattgtc tgctctcttc aattccaagc ccaattctga 180
 attcaagtcc aattacttat aattct 206

<210> 2721
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 2721

agcttctggt ttcaattacg agcgtcttga tatattatgg gactgaatcg cacatccgag 60
 tcaaaagttt aatttcgttt gaatttgctt agagcttatg ttttcaattt cgagcgtctc 120
 gatatactac gggacacaat cggacattcg agtcataagt tattgtcgtt tgaatttgct 180
 cagagcatct gttttcaatt acgagcctat cgatatattg cgagactcaa tcggagatcc 240
 gcgtaaaaag gtattgtcgt tcgaattttt ttagagcttc agctttcaat ttcgagcgtc 300
 ctgatatact acggg 315

<210> 2722
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2722

cagctttttg caatactaac acgaatacat aatttatata aaaaaatatg ctgacacatt 60
aattaacatt ctaatggatt aatttagcca tataaacatt taaaaaacta atgtaattat 120
attctaattc tcaggaaaat gtatgaagac tttatttaac atatatcttg ctttaaaaaat 180
taacttacaa aagttccaat taaaaaacta ttatagaatt tttttgaagg gggttttacct 240
agcaccaa at gatatatctt tggataaata tgaaaccaca ttgaaaaaat atataatttt 300
tcataactgt tttttcttta aaaaaaaaaa aaactaattt cttcttggtc cctgaggcac 360
ataggaataa ggcgacgcat aaaatttcaa ccatcgaaga ttgatagaaa ctactttcca 420
ttgggcāaag ttttgcctt aaaacactta taatttttct tttttgagg atgtgtttct 480
ttttttttt 489

<210> 2723

<211> 202

<212> DNA

<213> Glycine max

<400> 2723

ctagagtttt tccttttggt aaggcttcgc gacttttggt gttgaatata taatacaagg 60
atctttcttc atttggtcct acgtctctac ccattctcat tcatttgc at gtatacttct 120
ttttctgaaa cggcagatcc gatgacgagt cccccgaagg tactaatacc tgggacccgc 180
ctatcgactt cgagcaagaa at 202

<210> 2724

<211> 512

<212> DNA

<213> Glycine max

<400> 2724

agctttcacg atatccaagc aattcaattc caactatcat gaactaccct caaccaagaa 60
aacagagtag aggcagcaaa atctgcccaa aacacattca catattacag cttttcttac 120
tcaaataccc cagtaacact ctcttcgttc cgatttggt accgttggt cgacttgaaa 180
atgttactgg aggttcctag tacataagtc tacattttgg ccggtgggat ctgctagaaa 240
gtgtcāaaaa cccaatatgt actacctttc ccataaccag caatgcacaa gaattttctg 300

cacatgttga gcaattctgc tggacaaatt taacagcttt ttgctgcaca aattgggaga 360
 attcgaaatt catcctaccc accatccatt ttgctcaaaa tggaacctac aagtcctaaa 420
 tcatgtataa atcatattta aacccaaaaac aagcttcaaa ccaaggaaat tcaaaatcta 480
 cggatctaaa acccataatt gaggggaattt tc 512

<210> 2725
 <211> 1151
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2725

agacatattc gcaactggaca gtaagtcgga agaaatctgc attcacatcg aggatcgatn 60
 cgtgtcacgc atagaaatgg aatgatctgc cttaatantc accccccccg acaggggggtt 120
 gatagcttga atacactaga aacnatcgaa tacacatgcc aggaggtact gatggcgcgatg 180
 aaaagaataa taatagagaa gattaatgggt ctaactcttt gaagaataag ggaacgtgaa 240
 gtcaggtaca actaattgca tgttgagtgt gcaccagact aactgtggaa tgacagaagg 300
 tgaactaata gcgaaaagaa aacgcagaag aagggtgaag cgataataat gtgaagagtt 360
 taagggcgaa actaattcac agttgcgctt ctggnnnnnn gagagaaagg gagaagaaga 420
 aggagaaaga agaagaaagg aagagagagg gaaaggaagt agagaaaaag agaaatgaga 480
 gaagaggaag aagnaanaagg agaaggagaa gaggaagaaa agaagaagtg gagtgaaggg 540
 aggaagatag agaggggaaag agagaaggaa gaaaatgaga ataagagatg tagtgaagaa 600
 gataaatgat aagagtgaaa gtgaatgtgt gtgatgagtg agaaaagtta tataggttgt 660
 gaagagtaga gatatgggtg agatgtgtgt gaggatagga agaggtgtta gagagtagtg 720
 atagagaaga aggataaatg agataggata aagtgaagat gaaggagaag tagaaattaa 780
 tagtttatag attagaagtg tatatatgat gatatttaga ataggtagag ggatgagtag 840
 taatggagaa tgtgaaagaa gattaagggt tgaaatgaga gaaggaagag tgaaagagaa 900
 ggaagagaga ggagtttagta aagtgagaag tatagtggga agataagagt gaatgggtag 960
 aaaaggaggt tgaaaggaga taatatagag gtattgagtg tgatatgtaa tagaaangag 1020
 cagatggtga ggatgaggtg tagagggatg aagtacatgt gaatntaggg gagatgtgaa 1080

aaaggaagat attgtgaaga gtagtggttat aaaagttaat gtgagatgag atgagttgag 1140
tagaagagtg g 1151

<210> 2726
<211> 517
<212> DNA
<213> Glycine max

<400> 2726

agcttattgg attatggggc acccgtcata tgtggtacta ggaggcgatc gggcgatgac 60
acaaatcaac tatcccatTTT ccaaaagcca ggcagaagct ttcacaatat ccaaacaatt 120
caattccatt tggcatgaaa ctaccttaaa caaagaaaaa cagagtggag gcataaatct 180
ttgcacaaga ttcattcaaa ttccatagag tttttcctac cctcatacct tagcaaaatc 240
ctcttcgttc cgattcgcta acctttggat ctcttgaaa aattaactgg gggttcctaa 300
tacagaaatc taaattttga ccattgggat ctgctaaaga acatacaaaa cacgaaatat 360
actacccttt cccgtgacag cagaaactag cactgcacaa ccattttttt tctgcataat 420
tgggcagaat ttgctgcaca atttgacagc cttgctgcat aattttggca aatttttaaa 480
ataagctcac atacatccaa ttccactcaa attggat 517

<210> 2727
<211> 201
<212> DNA
<213> Glycine max

<400> 2727

tgcatcagct ccatccatcc atcttatctc tccccttttt tatatatttg attttaagtg 60
gctgcgaaga aattgaaagc cttaatgttc attcaaaatc tctcaatgta ctgagactca 120
gaggatggtc atctctcaag gaattttcag tgacatcaga ggaaatgaca catttggact 180
tatctcagac tgctatacgt g 201

<210> 2728
<211> 383
<212> DNA
<213> Glycine max

<400> 2728

agcttcatga tgattaacca agcaattttg atgatgccta aagcccaagt gattgattca 60
agacttcaag atcaagcttc aacaattcaa tccaagattt aagattcaag agaagaaatc 120
aagaagcaac aagtcaagac ttcatatatg ataagtatta aaagattttt caaaaaccaa 180
atatcacagt ttttgtttta caaaagaatt ttctcaaatt ttctaagtta ccagagtgat 240
tactctttgg taatccatta ccagttggca agaatcgatt accaaggacc tatttggttt 300
tcaaaatatt ttttaagtgg ttgcaatggt cccaaatgat tttcaaaata ggtaatcgat 360
taccctatat ttagaattga tta 383

<210> 2729
<211> 199
<212> DNA
<213> Glycine max

<400> 2729

ttccgcaaga cttacggaaa gatcttagag tgcaccttat cattagtatt catataagtc 60
attgcatgac tcaccaata ctacgaccag cctttgagat gcttcacatt cggagacttt 120
caattagtag caaccattga aaaatttgag gaaattctaa gatgtcctct cgaggggaagg 180
aaaccatatc ttttctccg 199

<210> 2730
<211> 477
<212> DNA
<213> Glycine max

<400> 2730

agcttgtcca aggaaccctc atcttgggtca ttgtccaaag cactgagtgt ggacaaattt 60
tcttatcaag aatttgatga ggatgaggaa ctggccttca tcttaagaaa gatttgaaag 120
atgtggaaga acaagagtgg gttaagaccg aactcctcca aaaagggtgtt caaagagaat 180
aaaaacacgg aaaagagctt cataatatga tatgagtgtg agaagcttgt acacttcaaa 240
tcaaaatgcc taaaactaga gaagtccaag gacaagtaca agcattacca gtccaaaagt 300
ctcatgagca gttgggagga catggacaac acccccttta atgaaaaagt agaaggggaa 360
gccaacctat gtctgatgga tgatacaact ttctgaagag tcagactcag aacaagagaa 420
agggagattt tgatgaccct aaatcattaa gacaaaccta tcataaacta ctttcaa 477

<210> 2731
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 2731

tccccgtggc ttctttgaga agctagatcc ttatctaccc ataccctttt attaactaaa 60
 ttaacctcct tgaaaataat tacggataaa aataacacaa caaataatca aacatcaaac 120
 ataattacta ataatatata tatatatata tatatatata tatatcaggg tgttacactc 180
 aacattctct gtctttatgt tt 202

<210> 2732
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 2732

agctttgatg atatgggctc caccgacgaa atgatcaaag tgagtctaaa aagaggcaaa 60
 tttgatcatc atactttgat aaatggcaaa aaaaactaag gcaagtgaag aagatgagaa 120
 ggaggggaaaa acctatgctg ttactgccat ttttatacga ccaagtttca caccaaccca 180
 acaatgtcat tacttcagcc ataacgaccc ttctcattac ctaccaccca gtcattccaca 240
 aaggccatcc ctaaaatcaa ccacaaagcc tacctaccgc acttccaatg acaaacacca 300
 ccttttagcat aaaccaaacc acccaccagc aaatgaattt ttgcagtga aagcctgta 360
 aaaatcacc ccaattccag tgctctatc taaacttgct cccatatcta cttgataatt 420
 caatgggagc cattacccca gccaaaggta ttaaccttca tttttccaga ataccattca 480
 aacgcacgtg tgcttgtagc gaaaaaccct ggggcgttcc at 522

<210> 2733
 <211> 1060
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2733

agcaccgggg gtttganncc catgagacgc cacgnctatg ctacgccgac acatatagac 60
 atcgctcaag tctttatcta gcacggcgtc tacggaggac gaagggccat agttggctgc 120

[illegible]

<400> 2734

1145

<210> 2735
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 2735

tgtgaccatt tgaataactc aagagcttcc attgttcaat tttgagcgtc tcgatatatt 60
 atgcgcctta atcggaacctc cgagtgaata gttatgacca tttgaataac tcaagagctt 120
 ccattgttca atttcgagcg tctcgatatc ttatgtgcct gaatctgacc tccgagtga 180
 aagttatgac catttgaatt t 201

<210> 2736
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 2736

agcttctccc ctatcttgct ataaataggg gaagaagtga agaagaaaag gggtcagccc 60
 cttaggcact tctctctctc tctcgaattt gctgaggaaa attatcttcg tgaagaaaat 120
 ccaagccgag gcgcttccgt aatgtttccg taacgtttcc gtgagtaatt acgcaagat 180
 tctcgaccgt tcttcaagat tcatcgttcg ttcttcgttt tcttcaatct tcaacgggta 240
 agtacctcac accaagcttt tcaattcatt ctatgtaccc gtgggtgggtcc acattttggt 300
 gcatgtattt ttattcttgt ttttgtctac tttttatacc ccttttgac gtgcttaagc 360
 cgtttattta aggcatttct cgcttaatct aaaaataaaa taaatttcca ccgaacattt 420
 gaatcgatc atccgctaatt tttgggttaaa atga 454

<210> 2737
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 2737

ataaaattta cacataaaga gtagaaccaa gagtctcatc attcttttct tattcactca 60
 actttactgg ctttcttttt ctttttcgat tttttttttt gctctgtagc cttttgagaa 120
 acagcatcat attcagcatg tccaacattt aaccaatatg caatgtatat caagtatggc 180
 tcaaaatata tcatgaagca tggccaacaa aacatgttat ccaatgaaac aaaaaccccc 240

acacttattc ctaaaacaat tccaaagctc caaaattcct taaggatatg gtgatatcat 300
 gggtttttcac ttaaggcttg tagtgagctt caaaacaagg aaagggaaac aagggtcaaa 360
 agggctatca aaggaattaa gtcaaggtaa gtccatttgg ctagaagctt ataagaacaa 420
 aattgcctca atcgtattca aatatg 446

<210> 2738
 <211> 537
 <212> DNA
 <213> Glycine max

<400> 2738

tagctggaaa acgaattgaa atacttgact taagcacaca atacaaagaa tagtttgcac 60
 tataatcaga aggtacggtc aaaagagtat tctttatgaa atattttttt ttatgagtca 120
 ttgaactata gagtaccacc atcgctaaga acaagaatct caaacaacca tactatctat 180
 gcaattaagg caaaacacca tactactaac atacccaaaa ttataagggtt cttataataa 240
 gtatacaacg tacatataag aagtaagaat ttaatagcta atacggatgt attaaaaaaaa 300
 ttacaaactt caactactac attcatgact acacacaaaa taaagtgagt taagtagtca 360
 tgcgtttaca catcaagaaa gacatactca tccaagacat atatatgggtt caaaagggtt 420
 ttacaacact aatccacaca tcaagataga aataagttta ttaaccacat acaccgcaga 480
 agataagggc tcattaagca ttatccaccc atatcaaggc tttttgcatc acttaac 537

<210> 2739
 <211> 583
 <212> DNA
 <213> Glycine max

<400> 2739

tcacttcaat tgggtgcatgc taatatctgg ggaccatcaa gtacccttag ctttggtgga 60
 agaagatatt tttccctctt cgttgatgac tacacctgaa tgatgtgggt gtacttcatc 120
 caacaaaaat ctgatgcatt ctctagcttc aaggagtaca aggccttagt ggaaaagcaa 180
 agtgggcatt ccctcaaaat cttgagaaca aatcgtgggg gagaattcaa tgggcacata 240
 ttcacaaatt tttgcaatga tcatggcatc aagaaggagc tgactgttcg tcacactcca 300
 caacagaatg gtgtcgctga aaggaaaaat agaaccattg tggaaatggc ttgattgatg 360

ctacaacaca agaacctgcc aaagaatcta tgggcgaaag ctgttagcat agcagtatac 420
 attctcaacc gttctccaac taaagaaatc ttaaatttga cgccatatga agcatgggttc 480
 aacagaaaac caacagttga tctttttaaa gttttgggat gtgttgctta ttcgcacttc 540
 ccaaggagaa ccgattaaag ctttttgaaa aaggagaaaa atg 583

<210> 2740
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 2740

agcttagagc caattcaaac gacaataact ttttactcag atgtctgatt gaggcccgtc 60
 atatatcgag acgctcgaac ttgaatgttg aagctctgag ccaattcaaa cgaccataac 120
 tttttactcg gatgtctgat tgagtccgc catatatcga gacgctcaaa attgaatgtt 180
 gaagctcaga gccaatcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtcct cgaatatatc gagacgctcg aaattgaatg 360
 ttgaagctct gaaccaattc aaacgacaat aactttttac tcggatgtct gattgagccc 420
 cgtcatatat cgagacgctc gaaattggaa 450

<210> 2741
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 2741

tcaacattca attttgagcg tctcggtata ttacgggact ctatcagaca ttcgagttag 60
 gagttattga cgatecggatt ggctcaaaga ctcaacattc aatgtccagc gtatcgatgt 120
 gttactggac tcaatcacac atccgagtaa gaagttattg tcgatcgaat ttgctcataa 180
 cttcaacatt caatttcgag cgctcgcctc tattacgggc ctcatcaga catccgagta 240
 aaaagttatt gtcgatcgaa ctgggtcaaa gcttaaacad tcaatttcga gcgtctcgat 300
 ctatcacgag tgtctttcgc acatccgagg ccagaggaat tgtccccaga attggcgtac 360
 atgctgacat tcaac 375

<210> 2742
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 2742

agcttggaga ggatgcttca atggaggaaa agaaagaggg agagaaagag ataggggaag 60
 cacgaaattg aaggaataaa agaggagag aagtggaact ttgaagtatg tctcacaata 120
 ctctcattca tcaaaggtag aacaagggtt ggtacacatg cttctattta tagactaagt 180
 agcttccttg agaagatttc ttgagaaaac ttccttgaga agcttatttg aaaaaacttt 240
 cttgagaagc tagagcttag ctacaaagac ccctttcata acaaagctca cctccttgag 300
 aagcttcctt aagaagattc ctaaagaaac tagagcttag cgacacacac ctctctaata 360
 gctaagctca ccttcttgag atgagaagct agagcttagc tacacacccc ctataatagc 420
 taagctcacc cccatgacaa aaaaca 446

<210> 2743
 <211> 145
 <212> DNA
 <213> Glycine max

<400> 2743

tgcactatca cacatgtgat cattagcaac atttagtaaa aagttcctaa gatcttttga 60
 caacatttaa aaaatgttgc caaatatgaa taaatgttac taatatgttt ttgcagcaga 120
 tgcgtaaacc cttgctgtga ctgcc 145

<210> 2744
 <211> 571
 <212> DNA
 <213> Glycine max

<400> 2744

agcttatggg aaaactaaca gcaatggaaa gtacagtttc actggtgaag gctttgacta 60
 tgtgaaaaat ggagcctcag actgcaaggg taaactccat gctccttcta aggattcacg 120
 ctgtttcata cccaccaagc ttaatgaggg aaccaaactg aagggtgaagt ccaaggataa 180
 aatgaaggt gcgctcagag cttaaccatt tgcttatgct cctgaaaagc catatgattg 240

cgaaaagtcc aatcccaagc ctttcctac ttcttatgac aaaccatatt attagaactc 300
taccacccc cctttaccct taccgcacc acaccctcct tactactata agtcaccacc 360
tccaccacca tcaacatact attacaaatc tcctccccc ccttcttatt actacaagag 420
cccttcttca ccatcaccat caccttctcc atattactat aaatctcccc cgccaccatc 480
accatcacca cctttaccct actactatta aatctccct cctcccaca aagatccata 540
ccatctcct tactactaca aggcaccctc c 571

<210> 2745
<211> 357
<212> DNA
<213> Glycine max

<400> 2745

atgtgtgggc accacttggtg atgaaggaag atccgggtcat aagagggcct ttaatctcat 60
gcacatatat tgaattgtac taatatggcg tacttcacat acgctgaaat agcagccaat 120
cttggggcgt aatcaatcaa tgggtgttct acactctata accgatctag tgtcactaga 180
acttgctcac tgcttaatga actaagatcc ggctccatcg ccaaaccatcc tatccaaaca 240
actcagctta caaagagaat gactgtcatt cagtgaacat gcatgtatac caaaaactaa 300
ccattactaa ctatccagag cttcttatac agggatcgag cggagttctt aatcggc 357

<210> 2746
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2746

agctttgaag ntatatatat ttattatta taatacatgt ttatctatct gttaagtata 60
ttttgtagtt agttaattga gacttatggg tgtatatcaa tgtttatact tactattttg 120
attaggttag tgcgtgtata ctacctaagg ttattgggtc agaccgtacc cgaatcaaat 180
aaacattaaa aatacagtat ctaggaagtg atcctaggtc atttcccac gagcaatgat 240
caaccaaaaca ttcataacag ataatagtga aacagtaacg aattgggggg gg 292

<210> 2747

<211> 586
<212> DNA
<213> Glycine max

<400> 2747

tgatgatgtt attaaaggct ttgcactacc tctggcagta acagtgacaa agatgatcat 60
aagtacgttt acaacttgac atcaaatttt acttgagatt ttataatttc tgatacttgg 120
ttcacttggga cataacagtg gggagcaatt gatggaagat gaatctcaaa ttgatctaag 180
gagaaggaag aaacttgttc ttgatggtga tttggaaaga caaatcaaag atctccatga 240
gaagtaggtt tgaccagatc aaacttttgt ctgaactttg gagcatgatt taaattagag 300
ccttgtcaaa aagaaattca gtctttttta tttcattttg tttacatcat tggtaaaaac 360
attcttaaaa ggagtgaaga agatagatca attcatagct tttcaatatt ttgttgaata 420
tcattatttg tactgtattt caattcatag cttttcttgt actaatttaa cccgagttta 480
ataaattcca aaaattaaaa aaaaaatctc catattctac atcggttcaa ttataaacga 540
tgtagaacat atcctcattc tacatcggtt aggcaataaa cgatgt 586

<210> 2748
<211> 395
<212> DNA
<213> Glycine max

<400> 2748

agcttgccac tggagctgac ccatcaactg ccctaactct tttagatagg cgacccctca 60
gctcttgacc ttgacttgat agaacctctt ttttaagcgaa ggcatttgac ttgaacccat 120
gttttactaa agtgaacaaa aaatggggcg aatcaaaaact ccgacatcta tcatgggcgg 180
aatggatgaa tgcataaaga aatgcatatg acacagatgc aatttatgaa tacggggagct 240
cgggaaattg tctccttctt aaatacaacg tcttggggta gtaaagtgcc caacgtatgt 300
atttaagaag gtgacacaga ccctccggtg gtttggttaa gagaggggat caagacagaa 360
cccgtgcgtg atgcatatgc gaaaggcaca acaca 395

<210> 2749
<211> 446
<212> DNA
<213> Glycine max

<400> 2749

tacaataccc acgctttacc atatgtttat gtaagtcgca atcaaagtga ttatccatgc 60
tgcattgaat atagctgact gatggattac atatcactta atgctcccca gtcttacttt 120
ctccgtgcgg ctgctgctat tcttccttgc tatcttatgg cctggatgat ccgcataata 180
cagcatcaaa ggcaaagaca agttactacc ctgtgcttat tctaattattg aagtatttgt 240
attgctttca tttcattttt tcttttttca tattttgatt aatcatatga tgccgtttgg 300
tacgccactt aagatgataa gatttaagtg aaagtaccaa taggaatgcc aacaacatat 360
ggtgcacatg gcgtggcttc tactaaaaac cttgaaagtt gatagtgatt gcggattaag 420
attttagaga tgggaaatgc ttttgt 446

<210> 2750

<211> 420

<212> DNA

<213> Glycine max

<400> 2750

agcttgccac ccagctcgcc caggcgagct catctcgccc aagcgagcaa ggttgcttcc 60
tccagaagca acagccttct ggaggaatct tctggagggc ccaagtgggc ctggttgcta 120
tttgcacccc catttttact aagtaccccc cccctgcatt ttttttgga attctttttt 180
cgtaaagtta cggaactta cgaatttcgt aacgatactt gttttctttc cgtaatgtta 240
cggaaccttg tggattacat aatcatcccc tttttgactt acggaatggt acggaacctc 300
actaatcgtg caacgatgct tccatttgat ttctgggggtg tcacggaacc ttacggattg 360
cgcatcaatt tttcttttct tttttggcat gtcccggaat ttcacaaatt gcctaataat 420

<210> 2751

<211> 588

<212> DNA

<213> Glycine max

<400> 2751

ttggtcaatt ctgccatctc gaggggtcaaa ttaagcttgg aagtcaaaac ctctgcactt 60
gaataattgg gctttgtttt gtgtaattag ttagattaga tgggcctaata caaggcccat 120
acatcacttc taatttatca ctctatatat tagtgttttt tagttagtta gttacttcat 180

attgtaaaaa acaaaattag ttacttattg tgcaagcttc cttttttctc tcctttttctc 240
tcaattgttc ttcatcttc ttcatctctt cacttccgct cttccatttt cttgcacaaa 300
atctcatgtc ttttcattgg tgatgatcat ggagggctaa acaattaatc aatccaagga 360
tccactccaa gcaaggctga attttgagtt ctgggttagt atctttactc tttgtgaatg 420
ttcatctttc tttcaatcc tattttcatt tttcattatt gtgattatgt ttaggattga 480
aatgaatta agttatggat tcatttccta attcagaatt taatcacaga ttgtttggat 540
gatgttccat ttgattgaac tttttctaata gcatttgact gaactttc 588

<210> 2752
<211> 522
<212> DNA
<213> Glycine max

<400> 2752

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tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacgccg catcccctgc cttgcgaact ccttgagta cctcgcggtt 180
gtggtcactg aaacctcgtg cgatgaaagg cgtgatgctt tcgtctgatg gcaactccttt 240
catgggacat ccttcgcatg aagatagaat cctgattctt ccttccttct aacgagggaa 300
ccatttaaca gacgcccctc catgctagcc aagagttggg gcacaacaaa caattcttgc 360
gccgctcttt ttacatcccc ggtcgaacgt gtcatacatg gccaaaatgg cgacgaccgg 420
gcttttcttg ccatgatgaa aggcgaggaa agcgtcaatc gctgctatgt ccactaacc 480
tttcatattc ggaaagaaga caactccaaa gatcataagc gc 522

<210> 2753
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2753

ttgcagatth ggtcttcgcc agcgaaagga tcaatgtggg tccgaaaaga ggcaaatttg 60
atcatcctac taggacgact gagaaaactg gggcaaataa agagggtgag gatgaggagg 120
aaacccatgc tgtgactgcc attcctgtac gaccaagttt cccaccaacc caacaatctc 180

tttactcatc caataaactt tctccttacc caccaccag ttatccacaa aggccatccc 240
 taaatcaacc acaaagtctg tctaccgcac ttccaatgac gaagaccacc tttagcacia 300
 accannnaaa aaaaaaaaaa aaaaacctcc aacaagaagt gaattttgca gcgagaaagc 360
 ctgtagaatt caccccaatt ccagtgtcct atgctgactt gctcccatat ctacttgata 420
 attcaatggg aaccataacc ctagccaagg ttcacaaacc tccattttct cgagaatagc 480
 actcaaagc aacgtgtgct tatcgtggag gagccctacg gcattccatt gaacattgta 540
 tgaccccgaa gcataaagtg tgaagtctaa ttgata 576

<210> 2754
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 2754
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 gtgattggta cctctcccct ctcttgagct taagctcgct gttactgccc cacagagccc 120
 ctcagaattt tttgcggccg tgttcttccc tacgagccct tttggtctct tgttccaagg 180
 ccttggtggg agctatattt acatctctca gttcggcatt ctcttttcgg atcttaagat 240
 ctggttgcctt gaacctttct ttgactgttt gggcttgctc gacttttgcc ctaagggcct 300
 gcacctctc ctcttctca ggggcccctaa ctctcttccc ttaaccgct ttcacaccac 360
 cgaaccaaac cacacctttc tttggggctt ccaaccctt tgagatccac tcgaggaccc 420
 cttgttgctt cctaaactcc tctcgcctt ttaggctac ccccaacgct tgccatacgt 480
 tctccttact ccccccttg tacccecca 509

<210> 2755
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 2755
 caccatcttt tcataggaga aactgggtga tgtgactact atcacagtta tgatcgacct 60
 tttcatcatt gggggtgcca cctgtgctgc cagggtctc caccattggg cgtatgattt 120
 gcaagattca tgcccccttt tgcacatggt ctgtagttgc atcctacgcg gagccatata 180

ccaatgatac tgatactgcc taacaaaggc aaccattagg tccttccaaa aatggactcg 240
 agaaggtacc aagttagtgt accacgtaac aactaccca gtaagactct ctcggaagaa 300
 atgcctcagc agatcctggg cttttgcgta gtcccccac ttctaaaaat acatctttat 360
 atggttcttg gggaaaggag tccccttggg cttgtctaag tccgacacct tgaacttggg 420
 aatgaccatg tttgtgtgct acgaacaact cttctatggt agtaa 465

<210> 2756
 <211> 508
 <212> DNA
 <213> Glycine max

<400> 2756

agcttgaaga ggatgcttta atggaggaaa aaaaagagag aaggggggag cacgaaattg 60
 aaggaataaa agaggggaaag aagtggaact ttgaagtgt ttcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtcgc ttccttgaga 180
 agctttctta agaaaacttc cttgagaagc tttcttaaga aaacttcctt gagaagcttt 240
 cttaagaaaa cttccttgag aagtttcttt gagaagctag agcttagcta cacacccta 300
 taatggctaa gtcaccccc atgacaaaaa aacatgaaaa taaaaaaca atcctactac 360
 aaagactact caaatgccc tgaaatacaa ggctaaaacc ctatactact agaatggcca 420
 aaatacaagg cccaaaataa gaaaacaacc tattttacta tttacaaaga agagtggacc 480
 caaccttggc ccatgcgctc aaaaatct 508

<210> 2757
 <211> 658
 <212> DNA
 <213> Glycine max

<400> 2757

ttaaataaaa ggtttcactc tttttttttt ctattatttt attcaagctc tgccacatgt 60
 ccctatttga ttggagcaaa aagggccac tttctctttt tgactgtgac ccatactcaa 120
 tcacaaaagt ggggaaaatt tgacctctga aacgctaaaa tctgcctcg gtttgcgtgc 180
 cgtttctctg gttccagttt ctgcggtttc tctgcgtccg tcggggccag ttttcgaaag 240
 taagcaatat atatatcaaa acgctcacia taaaaccccg agcgtgggtc agaggttggg 300

ttcgttaa at tetaagtcgc acgcaaaacg atgattttta actaattaat taagaattaa 360
cccataacct cccagttatg gattttctctc ccttaattag tccagcccgc atatcttgcc 420
cccactattc ctattttctac caagaacata tctatacata tacacggaac aatacttata 480
tatatatata taatcattca aaatacatcg ttcccgtaaa ctccgggtag aaatttccag 540
gatgttacac actgcgcccc caaatgcgca agtaaggaga gaagattttc aagctctcgt 600
gtccgtaaat gcattcatat catgcattgc ataagcattt ctttatggca tcataatg 658

<210> 2758
<211> 463
<212> DNA
<213> Glycine max

<400> 2758

agcttgtaac taacacgtgt ataaaagtct actcaaagga aataaagtca ggcagaaagt 60
taaccctagt tcttaaggag gaagccttgc cctcgaaatt aaggcccata ctctcttttc 120
tctctccctc cctcactcgt cttcttctct ctctccttcc ccaccatcag cgtctgtctc 180
taacatccaa tgtaaattgc tagctaattg ctcttgcata ataaatacat ataataatc 240
caagggttca ttcattttta aattgagtaa aattaattta attaatacatt aaatgtaggt 300
tgaaaccaat aaatgcatat atttttaaga gaattataaa atttcttaca gcaaatttta 360
taatattttc ttgttgagc acattattca tgttatttta aaattaacaa accaacatta 420
tcgttaaaaa aaaaactcca gattgatctc attttctcat aat 463

<210> 2759
<211> 690
<212> DNA
<213> Glycine max

<400> 2759

tgcttctaca acttgattaa gaacctgtat gatatttacc agaagcctgt tgttgtggga 60
tgggactaaa ttgtagatgc atccttcttc ttaacatatt ttgatgtaaa tgaaataata 120
tcaagtgaca aatgtttgaa catagctata ctagagtgtt ggattatgta agtaaattcc 180
atatcattga ctaataatta atattcttta tgatatacat gattaccaat tttcatttga 240
aatgttcaaaa ataggtttat gcatgagtgg agttcaagct taggtcatgg ttcgggtgtat 300

ggattccttg agcttcagtt catacacaat gcaaaggata gacatgttga atgtcaacat 360
 tacgttgaaa catgggtgaa ggattcccaa cgagaggtct acctacgagc ttacttgaat 420
 caataagtaa gatttatgaa attcctgtaa agaataattg cattatacgt acctaattat 480
 tatcgaattc aaggccatt ggcagttggt tgttctatgt cttacgaaca atgttgctgt 540
 ctgggtttgt tcgttgaata agaagcttga tattcatatc aaagctgcaa ttaacaagtt 600
 aaagttttgt attataacct aattaatcta acctaaactg gatagaaaaa ttgtgttttc 660
 ttcgattata ccttggtgtt tttttcctac 690

<210> 2760
 <211> 743
 <212> DNA
 <213> Glycine max

<400> 2760
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 ggggtgcacgc cgataacttt gaaagggttt tcagataaag ctttcattca tccaaatcaa 120
 ctccagtggc tcgcctcaat tccaactttt tgcccactga acctccttga gaaactattt 180
 gtattaacaa gttcttttat aacctttcct attaaagcct tcctgagaaa ctttcttaaa 240
 acatctgcct tgaacagctt tttcgtaacc taaaacctac atcctcacc cctaataagg 300
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 cttttttgcc tgataatcca cgcgcaacac cttttctcac ttcaatgggc ccaacacaag 420
 gccccacttt taaatccaac cttttctttt ttttctcaca aaaaagggtc cctcctttg 480
 cctcgcggtt ccaacaccta cccttcogtt tcgtgaacac acaacggctt tcttttaaca 540
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 cctccctttt ttcttacctc tcctattctc gcagagcctc ctttctactc cctcatctca 660
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 cgccactctc cgtcccccttc tcc 743

<210> 2761
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 2761

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gaagaacggt tgaaaccttt gcgagattcc tcacggaaaa cgttacggaa atgtttcggg 120
agcgctcgg cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcct aaggggctga gatcctttcc ttcttcactt cctcccctat ttatagcaaa 240
ataggggagg tggttgtctg ccattttata taaaagagct cgtaatgaac ccccgaaagt 300
ggttcatacg ttggtttgca ttgcttctaa tgcgcccgc caacgatgat tttt 354

<210> 2762

<211> 216

<212> DNA

<213> Glycine max

<400> 2762

agcttctgtt ttcaattctg agaatctcga tatatttcgg gattcattag gacatccggg 60
taaaaagtta ttgtcgtttg aatttgcctc cagcttctaa ttttaatttt gagcgtctcg 120
atatattacg ggacttaatt ggacgtccca gtgaaaagct attggggggt ggataagcta 180
ccaactttcc tcttgaattc ccagcattcc gttttc 216

<210> 2763

<211> 367

<212> DNA

<213> Glycine max

<400> 2763

ctaagctctt actcgatgt ccgattgagt cccgtagata tatcgagatg ctttttttga 60
aaatagtagc tcctagcaaa ttcgaaccat aataactttt tactcgatg tccgattgtg 120
ccccgtagta tatcgtgacg ctcgaaattg aaaacataag gtctgagcaa attcaaagct 180
caataacttt gtactcagat gtccaattga gtcccgtaat atatcgagat gctccaaatt 240
gaaaatagta ggttcttgca aattcaaacc ataataactt ttactcgga tgtctgattg 300
agtcccgtac tatatcgaga cgctcgaaat ggaaaaatga ggctctgagc aaattcaagc 360
gacttta 367

<210> 2764
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 2764

agcttaagag attacaattc aatcaattgg atgtgtgtat tgttgatcc cctaaataaa 60
 ttcattagtt catacaaagt ttaatgcac cgttatcata aaaaacaaag attttgaggg 120
 accttgcat gttcaatgtc ttaagttcta acaatgtcgt cgtagagcta aacaacagt 180
 agaaccacac ctttgacat gaatgaagt gcaacaacaa ttgttgacag cattgcaacg 240
 aagttatgga tctgatttgt tatctagttt tttatctgct atgtgttttt ggatctgaga 300
 ttttttgttg gtgccggctt tcttgatcta tcattttt 338

<210> 2765
 <211> 644
 <212> DNA
 <213> Glycine max

<400> 2765

tatcaatgca aggaattaac acaagacttg agactagaat tgaaaaattt tacactcata 60
 aaaactaaat taatattgaa gtctttatga aaatttataa cattctcatt taaccttaat 120
 ttttattaaa ataaagtcta tcgaatgaaa ttttttttat cctactatt tttttctagt 180
 tccttctcgg tttcaaaacta tatattatga tagttttaat tattggattt ttaaattttg 240
 taggtgtgat tgttgaaactt atgtgttata ttgcaaattt taaatcatat tgaactttag 300
 cctatgtgat aatgataata ataatacaat tcttctgat ttttgctttc actcaaacta 360
 aattttgatt ggattgaatt acagatttta tcaaattcaa cccagatacc cacctatatg 420
 attgatgaat gttgacaaga tgggtctaac tatttttaaa atgtaatgaa tattagttcc 480
 tcttttactt gagggtctaa gtccggatca gaggaaaatg attacatatg accctggatg 540
 tcagtatcta gatataattaa caaattatat aaaacagcag gacataattt ccattaaaaa 600
 atatatgttt tattaaatta agcagatacc atagctttta ccca 644

<210> 2766
 <211> 546
 <212> DNA
 <213> Glycine max

<400> 2766

agcttctaata actttgtgct gcaattgcaa cactgccaca attgctttct cttctgcaga 60
tagagaataa gtgagaggag gtgctttgat gtcattaag gaaggccatc ctgaagctgt 120
tgaagagacg ccagctttgg gaaaatcttt atcattattc attacaccct atagtcctat 180
accacgactg actactttta gttactctgc cttcaacttc agttaatttg tgcagtcaac 240
tggacaataa aattccaaag tctgataaaa gaaacaagac cagatatctc acactctata 300
actctgtttt caaccatcct gcacagaatg ccaatcaatt attataaaaa aaacacacag 360
aaattggaat tgattatgca aaagaattaa atcacaaaga agtttctgga attaccactg 420
gtttccaaat tgtcaagagc tgtaatggta ttggaacttg tttcataaaa gctttgggtc 480
aaaacaaact gcatatacat gtataattat gattattaat ttcaaatttt tccacgcaag 540
agattt 546

<210> 2767

<211> 470

<212> DNA

<213> Glycine max

<400> 2767

tgacaggttt aggtgcaggt gctgctactg gtggaggcac ttgaatttgg ttgccagacc 60
tcaaggatgat ggcaactcaca tttttcggat tctgcacagt ctgtgaagga aatttgtcaa 120
aattttggga ctgagcttgg ttcaactgag tagccatctg cccatctgat ttgtcagact 180
ctgaatggag gctcttggct cttgctgaaa ttgcatattc tggaagggtca ttttccttac 240
taactcctct aaagaagggtt gaggaggagc ctcagttgct tgttgtcttt gttgtgaccg 300
gtgttgttgc tgctactgta ttggaggggg aacatatggc ttgctttgac cccaccatt 360
ttaaaaaaga gggacacatt gttgttgttg tggaagacat ttccctctca aatttggatg 420
attccttcaa cctggattgg atctatttct tgaaaggcca taattattct 470

<210> 2768

<211> 474

<212> DNA

<213> Glycine max

<400> 2768

cgcttatgcg catatttctt tacaaacggt ctctcgaaaa aaatgcaccc atatacaatc 60
aaggcagctt cgttacctag attattttaca cgtacttcca aggtgtatgt gttacttaca 120
tcacacacat ctcttgggt aaattcacat accatgcata cccaaagcat tttgggggtac 180
caaaaattgc acatgtgcac atcttgggtat ctctaatacc tatacatata caaacttcat 240
gatgaatctt gactatctac acaataaggg gctacatttc atgctctttt caagtttttg 300
ctacctaaag ccgcatgcaa attcaagtat attttccttt gctgactaaa attgtattca 360
aattaaagg tatacatttt ttggtaatgt atcttcttta cataacatgc aacatattta 420
tgtatatttt tttgcgagac atcttgacta ccaaaaacta tatgtacata catc 474

<210> 2769
<211> 561
<212> DNA
<213> Glycine max
<400> 2769

tgtagaatgg ctagacatga tacatgtcag ggcttgggtt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaaatgatg atttggaaat tttatgcaaa 120
actggtcatg catgcgccta tgcaaacgct caagtgtcaa atttttatgg tcatgtgatg 180
ctagggtca ggattcattt cctctatttt aaatcaaccc aatgtttcca aaatatgttc 240
ttttatcgat ttgtgcattc ctccaagtcc atttcgggcg tccggggaaa ttttcacagc 300
attcaccctt caggtgtaga cacgtttttt tcttcaaaaa tcggttatga tcaatgattt 360
ttttttttt caaagaaaag ttggaaatca tctcttttca aaagcatgtc gggttttagc 420
tagacaactt attttctctt ttccacctt tttccttact tgctttcttt ttttccttat 480
ttgctctctt tttctttact tgctctcttc atttaccttt tgatctcttt tccattcatt 540
catctcattt ttttctttt c 561

<210> 2770
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2770

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gttccagttt tcaaaattaa gttgaagggt tataatttgt agtttctaaa gtaagcatta 120
gaaattagaa aaaactgtct tgatctgttt taatcccagt tgtttagtgg gaataaattg 180
gttaaactat tgtattccat gatatgtctt tgcagttccc atttttgcat ttaggtgata 240
aagaatttat tcatttgagt tgcacagctt taccagtacc aacagtccaa caccatcagg 300
ccctactaac ctggaagctg tgcatttggt ctttttatta ttgntgntgg agacaagtga 360
tttggttatc tccatttttt 380

<210> 2771
<211> 555
<212> DNA
<213> Glycine max

<400> 2771

gggttaaagt ctcacgattg tcacatgctc atgcaataat tgtagtcgt ggctatacga 60
gacatcttgc caaacaagt caggtagcc ataactcgcc cgtgcttttc cttccatgct 120
atatgtagca aagtcattga tctgtcaag ttgatgagc tggaaaatga ggccgcaatt 180
atactgtgcc agttggagat gtattttccc cctgctttct ttgacattat gattcacttt 240
attgtgcatc tggtcagaga aatcaaagt tgtggtcctg ttcatacaca taattcaaatt 300
tcattaatat gtaatgcata tattggatga aagctttgaa aatggaactt atggcagttc 360
atcttaaatt gttgcaggta ctcttacttc ttcggatact gttcattctt ccaagcaggt 420
actcttcctt cttcagatat tgttcttctt tctagtgtc taattcttga ctcatcttgt 480
atggtgtact atatgatgat gtaaattgga atatggtttc taaacagttt ttatacccggt 540
tttttgttta tggtc 555

<210> 2772
<211> 393
<212> DNA
<213> Glycine max

<400> 2772

agcttgtatc ttatactaaa ataatcatat attgcattca aataaagcaa tataggacaa 60
caaggatgta tctatacagt gctcaagtga gaaatataaa aacctgatgg caatctctcc 120

ttgttgagaa acaagagttg ctagttgatt aaagatgttg ctgagctcat gaatagtgga 180
 ctcaacattc tgaagagctt cagctctgtt ttgcatgtaa ctgtcttgca atggaactac 240
 ctcttgctgc tgctgctgct gttgcagcaa tggttgactc tccccatcca cctgcttctc 300
 gtggatttaa aaggccatag aataaattat gtgagagcat aatttcagat ataaattcat 360
 cacaacctta atattggaga ataaccacaaa ttt 393

<210> 2773
 <211> 650
 <212> DNA
 <213> Glycine max

<400> 2773

tgtcatttcc actaatagtt gtatgccata ttaaagggca aaatttgtat gaagaccatg 60
 aagtatatgc aagttgtaat tttctgtgtg ctaagcaagt gtgaagagac ttttttttct 120
 aaattttcca ttcaaccacaa cactccctaa atgtagatga taagatggag aaaatgttgg 180
 ttgcttccct tttgtcataa gactgtaaga agctaggcat tatcatcata agttatacac 240
 atgaaatgac tgggtaggtg tttgctttca cttttatcat atagccagtg ttattttcag 300
 cattaataat aatcaatgaa ttgctacaaa agatagcaaa gcttcatgtc taaatttttg 360
 ttcatgaatc ttatcagtga tagttgtcct tccaggttgt caaggaaaac cagatactac 420
 ataaagggtga taggataatt gatagcgata ttgaatttgc taccctcgca gatgtgaaca 480
 tatttgctgg agatcagggt attgtgaggg actctgagat ccatgaaaat cgagatattg 540
 ttggtaagct atttgatagt gccgtagtgg caatgtgggt tgccattcta ttatgttatt 600
 ccaataggtt acattagggga acatgcaata atctttttga tctccataaa 650

<210> 2774
 <211> 857
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2774

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 taatagttac aatttttttt gggggatttt gtttttttgc ctcccctaca tagaggtggt 120
 gattccttcc aagtttaccg ccttcgttgt tccttaaagt aaactcttgc gctggcatga 180

actaatcggg tgaggcgcgcat aaaggggagg ccatgtaaaa atgggtacggg cagggtatct 660
tcaaccgtgc gacggcctttt aatagtatgg aaaagcgaac tgaacctata tgccacctat 720
tgaataaacg agtggctgaa catgcgtact agaagggtt atgggtgagcg ccaatgcggtt 780
tctatgactt gaaaatcacg gtgcaacagg ttttacgaaa tatgactctt ataaaacntt 840
cacgaattcg accacgattc atccgaaggt agccatacct tgtgcgcatc tgacgatatg 900
gggctcaaa cg 912

<210> 2776
<211> 363
<212> DNA
<213> Glycine max

<400> 2776

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aaggataaat cctatggctg caaactcgca aattccgtgg gtatggcttt tgaatggggg 120
gaaaataagt ttttgaatgc taaaacggcc ccctttcatt gatatttata ttttggtgca 180
ggggttgctc gcccaggcga gctcaactcg cccaggccag ctcacctgca cttttttttt 240
tttttgagag gaacattaac catgtcccct tcttccttat ggattagcgt tttgcctatt 300
tgaccctact taagatagaa ttaggcgtta attacttaaa aaaaaaccaa caatggtagt 360
aaa 363

<210> 2777
<211> 568
<212> DNA
<213> Glycine max

<400> 2777

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gactaggctt gacttaaaca acattattaa cacaacataa taagaaaact aaatccctgg 120
taatgtagtt atttagtcct gcttctatca agttctaagg aaacagtaca tttctcaatg 180
cctcaaaaatc acctaacaat acacacaggt gggatgatcag accaagagca tgcagtcatt 240
aagcattgaa agaaacattg aacacacaaa acataattaa ttacatatga gaagtaatta 300
catcaactgt tcattagaaa tgctcaacta gggtttttag ccagtcatac aagaaaccct 360

aatacaagtg agacagaaaa tacagagcaa ttgttgcttt acacatgaaa ggggatacct 420
 cctcctatatt tggcaccttg ttggaattcc cctacggaag cttttatggt ccacttttct 480
 tcattcagat atgttcaacg ggaatatcgt ttgccagaaa gcgcacccga ttgttaagtt 540
 ttaaaaaatta aaaaggatga atcccaat 568

<210> 2778
 <211> 95
 <212> DNA
 <213> Glycine max

<400> 2778

gaacgaaaac tgttctagaa aatTTTTTct taaaagtgcc atgaataaag aaggcggctt 60
 ttactaatat aacctattac ccgtcgtaca gggat 95

<210> 2779
 <211> 205
 <212> DNA
 <213> Glycine max

<400> 2779

acaatgctca aatcttaa atgcatacttga atctaaccac atgtatctga ttcaaaaata 60
 ctatttatga cccttgtaga tgtaaagccc tctattagtc attcaatgaa tggggctgat 120
 attactaaaa cttaaacatt tattaagtta ctaataaatc ttccaattgt attcaattta 180
 agcaaata tatttgctg aatta 205

<210> 2780
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 2780

aaacttatcc aatatttctt tttttcatca ataatacacc cacaacttgt ttgtggtgaa 60
 ttcggttgcg agaccctcag tgataaacca aggaagctat ccccatgtt ggggacctca 120
 tgctctgtc ttattattct aattcacaca cttttttcat tttaacctat ttcattgaat 180
 taccttctac ccagccaatc ctatatggat tttatataga aactaccgaa aaaattgcgg 240
 ctttatcttt atttaaagag agaacttacc gaaaacgtcg ctttcgaact gataggagtt 300

tttgttacag taatga

316

<210> 2781
<211> 511
<212> DNA
<213> Glycine max

<400> 2781

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cgattcacia gactctcatt gatcaaagtt acaacaagtg ggacacgatg ctttatttat 120
agacttggtg gcttcctcga gaagctttct tgagaaaact tccatgagaa gcatttttga 180
gaaaacttcc ttggcaaaact agagaggagc tacacacacc ctactcgtaa ctaagctcac 240
ctccttgaga agctaccttg agaaaattcc taaagaagct agagcttagc tacacacacc 300
tttctaatag ctaactcacc tccttgagat gagaagctag agcttaacta cacgccccct 360
aaaatagcta agcttaccgg catgacaaaa tacaggaaaa aacaaaaaaa gttcctactt 420
caaagactac tcaaaatgcc tcgaaataca aggctaaaac cctatacaac tagaatggcc 480
aaaatacaag gcccaaacga aagaaaaacc t 511

<210> 2782
<211> 199
<212> DNA
<213> Glycine max

<400> 2782

gcttaagacc taaaggggat gggacctttt taggttttgg agaggatcaa taacaatgcc 60
tatatgttgg acctcccaaa agaggatgga gtcagcacca cttttaacat ttctgaatta 120
aattcttttg caggtggagc tgctattgag gaggaggaac taacagattt gagggccaat 180
tctttttaag gagaagggg 199

<210> 2783
<211> 567
<212> DNA
<213> Glycine max

<400> 2783

tgcttttaca aaatatgaaa tgtgaccctt tttcatgcaa ttaatgacat gttttttcat 60

ttttcctaga atacaccatg gtcctttctt ttgaaacct tagttgggtt caccctttt 120
 gaagatacaa actgagtttt ctttgaaaag gagatttggt tggtatatga caagtcgggc 180
 ttatctgtag tatgcttttg catactgagc atgcaattaa gatcactatt tcctttgttt 240
 gaattttcaa acaaatcttt aaggtaggaa agctcagttt gcaaaaattt gtaatcatcc 300
 atgttaaaag aagtagaggt atatttacia gtagtgggct taaatcttga aacaagcttt 360
 tcattttctt gcttcagttt gttcagcttt tcttggttta aaggcaattt attgacatgc 420
 aattttagat tactttttta atttttgttt aaaacagaaa acctttgagc tctctcatgc 480
 attttattaa atggctttta aaagttcttc aaagtatgaa tttaacttaa tgttttcact 540
 tgttgacaga ttatttatgg aattttg 567

<210> 2784
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 2784
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 aagtctgatt caggcgccaa acatatcgag acgcttaaaa ttgaacaacg gaagctatcg 120
 agaaattcaa atggccataa catttcactc ggatgtctga ttaagccaca taatatatcg 180
 agacgcttga aattgaacaa cggaagctgt caagaaattc aaatgctcat aacttttcac 240
 tcggatgtcc gattcaggcg cataatatgt ttagacgctc gaaattgatc aacggaagct 300
 ctagagaagt caaggggtca ttatttttca cacggat 337

<210> 2785
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 2785
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 aaagttatga ccatttggat ttctcgagag ctttcgtagt ccaattttga gcatctcgat 120
 atattaactc cccgaaccag acatcggggt gaaaagttat gaccacttga attctcgaga 180
 gcttccggtg cttaatttcg agcttctcga tatgttatgc gattatatcg aacatccgac 240

ggagacgcta tgatagattt aaattctcga gagcttccgc tgatcaaata ctagcgtcaa 300
 gatatgttgt gcgtctgaat cggacatctc agggaaaagt tctgaccatt tgactttctc 360
 gagagcttc 369

<210> 2786
 <211> 254
 <212> DNA
 <213> Glycine max
 <400> 2786

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 gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg ccttttggtaa 180
 tcgattacca aggggtgggta attgattaca aggcttaaaa atgaagacat gaggctaaga 240
 tggctctctgg taat 254

<210> 2787
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 2787

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 ttggccatgt atctccaaaa gtagatatgg gtattctggt catcaactag tacataataa 180
 gggcattagt gacacttctt ttaatcttcc tatcaaaaac gctttttgag ctataataag 240
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 cagaacatgc catctcttca ataagaactg tttattcata tgtttatggg ctttgcaaag 360
 gggttggtgt t 371

<210> 2788
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 2788

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 aaatagaagc atgcggaaca cttattgtaa ctttgatgaa tgagattctt gtgagacata 180
 cttcaaaagt ccacttttct ccctttttta ttccttcaat ttcgggctcc cccctttctc 240
 tttctctccc tctttcttt 259

<210> 2789
 <211> 572
 <212> DNA
 <213> Glycine max
 <400> 2789

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 tggtgactaa atcaattatg gattttggca tt 572

<210> 2790
 <211> 353
 <212> DNA
 <213> Glycine max
 <400> 2790

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 acagaacctc gttagaaaagg gccagatgca tactatccaa tataagggttg aataggagtt 180
 ttgggggctaa ggtagtttagc acaacatgtt atctcatgaa ttgctcaccg tccactggca 240

tagatttcag gacccttatt gaggtatgat ctaacaaact tacttaatat tcaatggtga 300
agatgggttg atttcccaca tactatcatg taaataaagg taagctagag ccc 353

<210> 2791
<211> 234
<212> DNA
<213> Glycine max

<400> 2791

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gtgtgttttt tgccttgatc atgcagatgc atgctttggtt acgatctttc aacagtacaa 180
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<210> 2792
<211> 394
<212> DNA
<213> Glycine max

<400> 2792

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ttttcagacc ttaccttact tcaacatacc aaacaccact aatacctatg ggttttcaga 180
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ccttagggta gatttcaagc ccatgggcta cagatgagcc cacttatctt ttacatatatt 360
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<210> 2793
<211> 929
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2793

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tgtntcccat attgttcacc agatactgca gagatctcnn ctattnanac acnnnnnacy 120

[illegible]

C E C

1. *Chrysomelidae* (beetles)
 2. *Curculionidae* (weevils)
 3. *Chrysomelidae* (beetles)
 4. *Curculionidae* (weevils)
 5. *Chrysomelidae* (beetles)
 6. *Curculionidae* (weevils)
 7. *Chrysomelidae* (beetles)
 8. *Curculionidae* (weevils)
 9. *Chrysomelidae* (beetles)
 10. *Curculionidae* (weevils)

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<210> 2795
<211> 1081
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2795

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cagcgttctc ggcagcaaac cattctctta tctaaatata tggtaacatc gctgtctctc 240
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gaaacctcca ttctgcttct atgccaattg atctaattgt aacccccattc cttacccttg 780
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 ggtacatata catccctagt cgcgcgcgta tatatgattc cactcagcat attcactatc 900
 ctcgaccatc cctccgcgct aatgagacat tacataccta cctgactgat gttgtccacg 960
 attccgtaca agcatacata taaggctcga cccacggctg caaaatcgca cagcgtacgc 1020
 tctgcctatc gtcaaacaca tattggctcc cgcataacag tcgtgtgctc tcggacgccc 1080
 g 1081

<210> 2796
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 2796
 agcttgaagg tgtgtagctc acaatctttt catagtaaaa tactggtaat gtgtctacta 60
 tcattggcat catttttttt tccggcattg aggtgccact tgagctgcca ggtctctcca 120
 cctttgggag tattcttttg aaagactcgg gccctctttt tgcacatggt ctgtagttgc 180
 atcctatccg aagccattat accgacattg cctaacgaag gcaaccatta ggtccttcca 240
 agagtggact cgagaagggt ccaggttggt gtaccaggta acagctactc cagtaagatt 300
 ttcttggaag ga 312

<210> 2797
 <211> 940
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2797

tggtgctggt gaatcctacg ttccttacat ttttctctca tatgctatag ccaatcctct 60
 cntgtctan tactttntct agcttccnnc nncgggtggt ctgtgctacc tccgagncat 120
 tgaaactata caccaccctg gccctcagact gtagatcatc acacaaagca ggctcaagtt 180
 agctacacat aggtctatag gcgatggcgc ctgagtacct ctatgacata attgcaggaa 240
 tgaggattcg gttatattaa tctcaactgg tcatttatgt acctatttag acacttaaat 300

gtcaaactcc tattatcatg tgatgttagt gtttatgaat tatttactct ttatacaacc 360
aacccaatgt tttcaataaa tgctcattta tcaagggtgag catacgtttg acttctttta 420
tgccgtacgg ggaagagcct aaacataccc ccttaacgtg tttatacgat gtgtttctct 480
gcaggaatat gatctttcaa cgaccttatt ttcaaataaa acatgcaacc tcatttataa 540
tctacaccag gaagggtttca tacaaccaac aacttattat ctgtttatgc acctgggttc 600
ctaacttgty gtcgatacta cttgaaatc ctcttcattc ttattatata cgccttttaa 660
cctcacttcc ggaattgcac cgatgcaaaa gcacttgtyg gtatcctatg cataaactca 720
cgggggacct tatttttcac ctatacctta agtcctgtct tttttcaatt agaaagattt 780
ccttccgtta tccattttaa atccaaattt ttaccttcca tagatacgat cttacctaatt 840
tacactgaca ccatacaact tttccgtcta tgcacactgc cataactgtt cgctcattca 900
ttcaaagtga tcctctctcc acactcacac tctgattccg 940

<210> 2798
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2798

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccaactga gtcacgtac tcccacctag cccatattct cgtttttctc aacaccgggt 180
ccccatcaat ctttccaagc ttttccaaca tcaaagtaat acaacattca cacagcacia 240
gctaccacag ccaagcaaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
aatcacagct ttttccactt caaagacccc agtaacaatt ctttcgatcc aattcggtta 360
ccgttagatc gactccaaaa ttttactgga agtctatagt gcataagcct acattttgac 420
cgttgggatc tact 434

<210> 2799
<211> 413
<212> DNA
<213> Glycine max
<400> 2799

ttgcggattt gggctcttagc cggagaaatg atcgaagtgg gtctaataag aggaatatct 60
 gatcatcttg ctttgataaa tgcaaaaaaa atatctgcgg ctaatgaaga gggtgaggat 120
 gaaggagaat cctgagctgt gactgccatt caagacagcc aagttttcta ccaacccaac 180
 gctgtattta cttagtcatt aacaaacctt ctcttacc accgaccagt tatccactaa 240
 ggccattctt aaaatcaacc actaaggcta gctaaccgca ctttcgatga caaacaccac 300
 ctttagtgta aaccgaaata ccaaccagga aatgaatttt gccttttagaa agctttacaa 360
 ttcaccccaa tttcagtgtc ctatgctgac ttgcttccat atctatttga taa 413

<210> 2800
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 2800
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 agaccttcaa tcctattacg caacgtggcg gacaaaagtg ggctgttaac ttgaatggtc 120
 attattgtca atgcggaagg tattctgcgc ttcactatcc atgttcacac attattgcag 180
 cttgagggtta cgtgagcatg aactactacc aatatataga tgttggttac acaaatgaac 240
 acatcttaaa agcttactcc gcacaatggg ggctctcggg gaatgaagcg gctattcctc 300
 cttctaataa cgcattggaca cttatccctg acccaactac aatgcgtgcg aaaggctcag 360
 cacaatcaac caggataagg aatgagatgg attgggtcga accatctgag caaccgaaaa 420
 aat 423

<210> 2801
 <211> 1198
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2801

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 tgactatcgt ctcatgaact ccnacgcaca gggagctgat tgcttccttt gcattccacg 120
 agactcctat agcaatactc cctcccatcc cctgctcctg ctttattgcg tctaattgcta 180

<212> DNA
 <213> Glycine max
 <400> 2803

cggttatggg caatagcacc ccacccgacg tccccaatgt cttctgaccc ccgcgacata 60
 tctccaggta ccactctgtg gtcaacgaat aaaagcagga agtttcaccc ttctacactt 120
 cctcatcgca agcttgtagg attatggggt acccatcaca tgtgggtacta ggtggcggtc 180
 gggcgatggg gcacaacaag ttttccacat ccacaaattg cgcataaacc caccatcccc 240
 tggtgcccac ctctaactaa gtcacgtac tcccacgtag cccatatacct cgtttctctc 300
 aacaccgggt ccccatcaat cctctcaagc tcccccaaca tccaagtaat tcaacattca 360
 aacaacacaa actatcacag ccaagataac agggcaaagg cagaaaactt tgcccaaac 420
 accaaccaaa atcacaggtt ttctcactta aggaccccaa taacatttcc ttcgttccaa 480
 ttcattaacc gttggatcga ctcgaaaagt ttactggaaa gctctagtac ataaattcta 540
 cattttgacc ggtgggacct actattaaac atc 573

<210> 2804
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2804

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 gcaaattctga tcatcatgct ttgataaatg caaaaaaact ggggcaagtg aagaagggga 120
 gaatgaagga gaaacccatg ctgtggactg ccattttcta tacagccaag tttcccacca 180
 acccaacaat gacattactc agcccataac aaaccttttc cttaccacc acccagttat 240
 ccacaaaggc catccttaaa tcaatcacia agcctgtcta ccgcacttcc aatgacgaac 300
 accaccttta gcacaaacca aaacaccaac caagaaatga aatttgtacc gaaaaagcct 360
 gtagaattca ccctaatttt ggtgtgctat gctgacttgc ttccatattt acttgataat 420
 tcaatggtag ccataacccc tgtcatacct aatttcgtcc gggattatta tttgatgata 480
 tccacccttt gattggccgc ttttaa 506

<210> 2805

<211> 1276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2805

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 ccactaacia taggctgnnn ccgagtgtat gtagtccctc cactacttga ataatatggc 120
 accctccccc tcttcagaga aggttcccca agaagaggtg tctcaagtgt atgtcttctt 180
 ttcacgctat tataataaga agtcaactgt gcagatcaca tgtcatgcgt ttaantatgt 240
 gacagcacat cgtactagt actctgtagt aagacaatcc tactaacatt aatccgatac 300
 tatcttctga ccgatttat gcctactttc aatatttgga ttgtcccgac gtctactcgt 360
 attactatta ctactacctc tacttagaat ttgtccgtac cactcgagaa gcattctcta 420
 atacatagga tctattatcc cagatgcgac atttcttgtg gtcggccaga aanctcccta 480
 ttcttcacat gggcggttaga tctctatag ggaaggaggg cctacttca ttaccctgtt 540
 acttacatta ttctttccgg ttgaacatct ctcatgggtg tggaacaat caccgcattc 600
 tgatagcgaa ccgttcatat cganagttct ctataaacia ttcccagatt ctttctaata 660
 tgtaacagcc tgacaacia tagcataggt attctctcat tcatgcacag acacacacgc 720
 ccttataat cctggattcc agtagccac aatgtgctct gctgccaata cactcgcatg 780
 tggtaggnga cgaacataat actatgatat gctattccct acttagtatc acatactaata 840
 gctatagcac gccgaattcg caatgcgcca ttaacactct ggctacaatg acacattcgt 900
 ccggtgggct aatgcacaga tcggttaagt aagtttctc tctgttcga atacatgggt 960
 ctgtgacgcg ggaagccaca cgttactatg gctctcaaca caacgaatac acatccgtca 1020
 tgactatatt gtgacattta tgaacaagaa gctccgttat atctgtctct tgtgttgtga 1080
 attcgcgat cacatagtta caggttcata ttacgctcgc atattgggtcc tctcaggtcc 1140
 tacttcattt gattcactca gccaaatcgc atataccgac ntaattgcac accgcattctg 1200
 acgcactcta ttgtctacag tgttacactc tacttacgcg acgtcgtatc gcgcacgagt 1260
 cattcgcata actcgg 1276

<210> 2806
 <211> 382

<212> DNA
<213> Glycine max

<400> 2806

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cacagagtgg tacctggaga tatgtcgcgg gggtcacgag accttgggga cgtcaggtgg 120
gggtgctattg cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcggtca 180
gtgagaacat gtgacgtacc taagcaggcg agctcctggc agtcaacaga taaaaggaaa 240
acaagaccac agagcaagga ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat 300
gtggattgtg gcctctggta atcgattacc aagggtgggt aatcgattac aaggcttaaa 360
aattgaaaca gggggctaac at 382

<210> 2807
<211> 948
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2807

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atctcnacat tcagccacgg cggatgatgat ttgaatcatt cgcactacct gacnatatan 120
acttctcaac ctttgttggg atgttgcgcg gactgatggg caaccattaa gtgtattgct 180
gggggtcaga acccacagcg ggtgtgtgaa gactacgagc atgggtccat ttctcttcca 240
ttactcttat agccgcctgt tcgacccgaa ttttttagg caattcacgc ttagaggacg 300
gaaacgataa tcaaacattt gctctttaaa aaaccacct cacatttttt cccgggcaca 360
caccagatcc gcaaagttgg acggcatgta acccactacg ctcttatagt ataacttg 420
cagagcgtcc tatcatcatg gtgatcatct tctctctcaa ccatgggagg aactacttgt 480
gccgccaaaa ccctgtatag ctgggcataa atcttttaaag gcttcacact cattttttga 540
acataactg tacttgagcc gtgccaggag ccatatcacg aattgcactg atatctgctt 600
aaaaaggcgg aaattagatc cttccaagca cggatacagg aaagcttcta aattactgca 660
ccacaccatt agtagctcct gtcaagataa ccttgaaaga aatggtataa aaggcttttc 720
atcttgcaaa ctgcgctccc ctatttaagg cagaacattt caaaaaggat attggcgaat 780

actgcgactc tttaatatgt ttcgaaaatc tctgccatca gaaaacttta cgtaataaca 840
 actctttcgt cctcatcgat caatacatTTT cacaccttaa caacaaccgg cttcaaagca 900
 atttcatagt gccctataac cctactacac gatccacgca gccgtccg 948

<210> 2808
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 2808

gaacaatata cttgcccttc atttaactgt ctctgggctt gttggccacg ctcaacaaag 60
 tactttcgac acctactgta cgttgatttg accaatgctg ttatgggaat gttgcgacaa 120
 tccttcaaaa ccttattgat acattctgag aggttggttg tcatgtggcc atatcgacgt 180
 ctttctctat cataagccat cgtccatttt ttctttgaaa tgcgatcaat ccatgttgct 240
 atggctggac tcagttcacg aaatatttct aaatattgat aaaaaaaagt gcttgccagg 300
 agtgtaggct acataaaaat agctatgaat aacaatcttc agtgtttatg aacagttaat 360
 aaacgtgacc atcaaataag aaaacttacc caattctttc aacatttttt ttg 414

<210> 2809
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 2809

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 attgggtttg cctgaatttc taattgacgt aacgtatgat tcatggaagg gatctaagca 120
 tttttttctt atatgccagt ggccaacca cttttccaat atacattatt ttttcgccat 180
 ttgccaaccc ttgagccag aaacttggtt tttatcagaa ccctaacctta agatgaaagg 240
 ttccaacctt accttaggat aagagagtta ggggtgtttc cagggaaaat tctattcttt 300
 tt 302

<210> 2810
 <211> 811
 <212> DNA
 <213> Glycine max

<400> 2810

gcacagttta ctgtgccttg attgaaaagg ggatgtgttt ttttgacacg ctcacaatag 60
gtcttttgcga cgccctattg tacgtatgat ctgcaccac tgctgtctca gagaatgagt 120
gctaccacca cactaatatc cattattgac taacatgcc aaaacgctca gatggcatcg 180
ttgaccgaga tcaacgatac cttctttatc atacagccca tcgatcattt tagacctttt 240
gaaaagggga tcatatccat gttagcttat ggctgggact acacttcaac gaaaatcttt 300
tttaaatttt tgaaaaataa aatgtgcctt gcaaggagt aaaggctcta taacaaataa 360
gatatgaagt aacaatttta agtatattat gaaagttaaa taaacgtgac catcaaatat 420
gaaattctac ccaaacgggt aaaacaattc ctctcgaaat gcattactga attttagaaa 480
gaagtcttat gcttcgtgct tcatgcacca aatgaggtaa tccgtgggga agtgataaac 540
tcaccgggact gacaacttaa catagctctt agtctaccat ctgagtcgac taattgataa 600
taatgccttt tacagctaag aggattcttc ttaagatacc caaatacttt actctctatt 660
tatgtcatat tctcttataa ttcgctgccg gtctatgacg aacatcacct cgctctcgct 720
tttaagtata aaggggactg aaacacttct caaggcatga accccctcaa aatcttggtg 780
ggaacatcaa gcccttctag agaaaatgac g 811

<210> 2811

<211> 806

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2811

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ccacggacgg gagaagagtt atgtttaaat aagaaccac cagcatagga atacgggcga 180
gtatgtccaa atatacgcg gaaaagaggc ttcagggaag ggtgatcgac tctttatacc 240
aagaggcaac catgtggatg ggatcgggtt tccttcactc ggaccggggt ttgcaacctt 300
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ttgttcatct agacttttcc gctctcaaac ctataacttt ccccgcttct ccacatacca 420
tattgttaga gcactttcgg tgtcaccttc tccctcccta ctctttgccc ctatttgctc 480

ttctcacctc tctccttctt ttctccccct cttctccccct cactctctct tctattgggtg 540
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 ctctctattc taactacttc ccttccttca tactctactc tgtctgataa catttctcat 660
 tctttctcgc tctcccttct ttgcatctct gttttgtcat tgcctctcaa ctcgtagactc 720
 ctccgtttac tccgctctct cctgccccca catgtcctag agacgtaaca atccccctcaa 780
 ctttctgcta ccgcttctca ccaaca 806

<210> 2812
 <211> 907
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2812

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 tgcaactata tcttaatatc cnnccccgca ccacgaagtg attgcttgca tcgccgacct 120
 atgaatacaa acctctcccc tatttgctat acaaggggga ggagcgaaga atatatgttt 180
 catcctctta ggcacttctc tgtctgtcga aattgctgaa gaaaactatc tccgcgaaga 240
 aaactccagc cgagacgctt ccgtaaccgt ttccgtgagt aattacgcaa agattctcga 300
 ccgttcttca agattccccg ttcgctcttc gttcccttca gacttcaacg ggtaagaacc 360
 tcaaaccgaa cttttcaatt catcttatgt acccggtggg gtccacattt tgttcaatgg 420
 acatatatcc cgccttccat aatttgttta taccctctct tgacggccta acccatctat 480
 tgaagtcctt tctcgcttaa ttcaataata aacataaatt ccaccgaacg tttgaaatgg 540
 tatcatccgc taccttcggt taaaaacgaa ttccgaccgt tcggccggcc cgatccacgc 600
 cggtaaacca acaaagaagg tcaataatat atccacatcc agaaataccc tttaataaac 660
 ataaagcaca aataacaatc ggacgttccc tctttgggac tactcattcc taactgaatt 720
 gactactacc tgaagcgcaa ctaagggtca gatcaacctc gctcaaccaa actggcccca 780
 aaaaaaaagt tttcggaaca acaccatttc tagccctaac tacatcaacg agggcctatt 840
 ctaaggtcca accgcttcca gtgactcacc cctccgctac aatgaacgct ctgagcactc 900
 acacaac 907

<210> 2813
 <211> 517
 <212> DNA
 <213> Glycine max

<400> 2813

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 gaacccatgt tgtgattgtc attcccatat ggccaaattt cccaccagct caataatata 180
 aatattcagc caatatcagc ccttctcatt acccaccacc ctatcagcca agaacactca 240
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 caaacaccac ccttaacaca aacaaaaaca ccaaccgtgg aaggaatttt ccagaaaaaa 360
 aaaaaaagc ctgtagaatt caccccaatt ttgggtgtgc atgctaactt aatcgcatat 420
 ttactcaata aggcaatggg agccataatc ccagtgaaaa ttctcaacc tctatttttc 480
 tgaagataca actcgaatgc aacatgtgct tatcatg 517

<210> 2814
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 2814

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 gggagagttt gatacaattt atacaagttt tatacacaaa agttagtcac tattttcaac 180
 tcccgaaccc ttattttcaa aattcgcaaa cctctttttg atttttttta cgttttcctt 240
 aaataaaggt ttgtggtgac tcccacgcat tttccttttt ggaagatgag ccttttgctt 300
 ttgcctcgc cctcccgtag aagggtaggt tgcgatatgt ctaaatgcaa agtcctatat 360
 acaaatgaa gacaatttag tatagatttc aagggaagg ttaatatcaa catttggtgc 420
 aaatatccat tcagttttta aagggaacaa aaatggtggt ttggtttctt acatcaagag 480
 acgtcatttt gaaaatctgg ttatgccaat gtgaccaagg ttaagtgaag gtcacgaaaa 540
 caacatcaat ttataaaaa ggtactttta catcgtctta ttttaagggt tttca 595

<210> 2815
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 2815

agcttggtga cacgcggaga tttatgtcat cttccgcgct cacaagatct gtcataattga 60
 cattatagtc acgctgacgg gcggaaatac ccaaattggtt atctgtataa atattctttt 120
 ttggttatct gtaaaacgaa aagcctgata gcacgcagag actaacctcg tcttctgcgc 180
 cctttgtcaa tcgcggccga caagcccatt aacacgccga gatttacgtc atcatccgcg 240
 ctcacaagat ctatcatact gacatttgag tcacgttgac gggcggaaat acccgagtgg 300
 gtatccgtat aaacattcct ttttgcatac tgtaagacca aaagcttgat a 351

<210> 2816
 <211> 624
 <212> DNA
 <213> Glycine max

<400> 2816

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 atccttctgt tactaagcca gcatgggttac aggcaattag cacteccaga aatgtaaaag 180
 aatccggtct gcatccttta ttttgcatta atccaaacag ctcaatagcc ttcagcacat 240
 gtccatggat accatatact gcaattataa cattccatac tgcttcatcc ttctcattta 300
 ccctgtcaaa aatgttccga gattgttcca agcatccaca tttagcatac atgtctttta 360
 atgcacaagt aacaaagtta tcctcagaaa gacgagggtt cattgcaaag gagtgaactt 420
 ctttccccag ccgcaatgca tccacattta atctcggtat tatattgtat tatttgaagc 480
 tattgaaagg aaaaattgga aaaaagatag tacctttgta gtaagagggtt gtaaaagcaa 540
 aaagcatctg aagagtccgc attgaaatgg agacagacta cgagcaacga caccaaagca 600
 ggaggaaaaa ttgcatacca aaaa 624

<210> 2817
 <211> 380
 <212> DNA

<213> Glycine max

<400> 2817

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gaataactct attaccaatt aagcaagatt gtttgcacag aagaaaatca acagataata 120
accatataac agcaaacttg ccatgggttg acaaattcag gaggaccagt ttgactgcct 180
ccactacttt gaggatcaga aggattattht ggcattccga ttgacgagat gcttctctgg 240
gaatgagctg cactatggte taacttaaag gtgctgctgc tccagaaatc ttctgatcca 300
tccaccttag tcaactgtttg accttgagtc cttagtcctt tagatgcttc atccattgaa 360
ataatccctg gagttttttt 380

<210> 2818

<211> 572

<212> DNA

<213> Glycine max

<400> 2818

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agtactttcg acacctactg tacgttgatt tgaccaatgc tgttatggga atgttgcgac 120
aatccttcaa aaccttattg atacattctg agaggttggt tgtcatgtgg ccatatcgac 180
gtccttctct atcataagcc atcgctccatt tttcctttga aatgcatca atccatgttg 240
ctatggctgg actcagttca cgaaatthtt ctaaattttg ataaaaaat gtgcttgcaa 300
ggagtgtagg ctacataaaa ttagttatga ataacaattt taagtatata tgaaagttaa 360
ataaacgtga ccatcaaata tgaaatctta cccaatttct tcaacatttc tttttgtttt 420
gcattattga atttccgatt gaagtttctt gctatgtgc gcatgcagta gacatgataa 480
ccgtggggag gttggcaacc aagtgttttg ttagcgacaa cggactttat actcccgtgt 540
cgatcaataa taaaccaatc catttttctc tg 572

<210> 2819

<211> 386

<212> DNA

<213> Glycine max

<400> 2819

gcatgcaagc ttgcatgaaa atttctcacg ggaggtaaat tgcaaccttg cggtagggggc 60
 ttggggggggg gatctccttg ataagggcca aatgggtgga ttcaaaatcg ccatgcataa 120
 aattgtcagg ctctgaatct gaagtgtagt ctacttcacg cagaattaat aaggcatata 180
 aatctctaca taatgaagta aaatgaaatt tctacaaaaa caaaattacc aataataaaa 240
 tgatgctaga gaaatttaag gaggttgata ctttttgaat caaaattgaa taaatttgac 300
 cataactaaag aaaaaattgg caaatttgca tattgaatat agagaaagcc atcaacacca 360
 atttacttat tacattatct tttttt 386

<210> 2820
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 2820

tgcccgggtgc tggttctcga gtgaggaaac ttgacttaga gcgtccatat caactcatgc 60
 acccgatgcyg atatattggtg agctatggcg gctcctatac tttcctatgc gtatgcttcc 120
 accagcgaga tcaatcccat cagtggcctt gtttatgaca ttctgatgct tgagtcttct 180
 accacctttc gtgagctatc cacacgcctt gggagcgcg cagtgggttcc ttaataattc 240
 tcgcgacaat gggaccatca atgacaccgg ccggcaaact cgattgcctg cctgttagaa 300
 tcgtacacct ttgatgtgca ctggtacgga taaacaggga tgccttattt agtatataaa 360
 atatataaac gcgcatgaaa acactcttgg ttgctggaga aatagcttgc ctcttagaga 420
 gtgccaatta tctaggacat tgagctcagg ccccttgctt gtcttccttc gggccggctg 480
 aatagactac 490

<210> 2821
 <211> 273
 <212> DNA
 <213> Glycine max
 <400> 2821

atgcaagctt gtctcagcgt ttatgcgaga cggagacttc atgctagcta tcatcgccaa 60
 gtaccaagaa gagttaggtc tagccacgac ccacgagcat aggatcacgg acgagtatgc 120
 ccaagtatac gcggaaaaag aagctagagg gaaggggtgat cgactcttta caccaagagg 180

CCATGCTG

caaccatgtg gatggatcgg tttgctctta ccttgaacgg gagttacgat ctttcccgat 240
tgttatccta ggccaaggcg atggcggtta ctt 273

<210> 2822
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2822

tcttctcaac aggatcatat aacctgtaac caaattcatt ctcatcataa ccaatgaaga 60
tacattgcct tgactttgca tccaacttgg atctctcacc ctttggaaca tgcataaaag 120
ccttgcagcc gaaaactctt aagtgggtcat acttcacatt cttgcccac cagattttgt 180
tcggcgctc actattcaaa gcaataacag gactaagatt gataacatgc accgccgtgt 240
atagtgcctt accccagaag tgcttgggta actttgcttc agagagcata catctcactc 300
tctcaattaa tgtcttattc atctctccg ccaaaccatt tagttgagga gttttctcat 360
gagcaatgtc atgcttcttg cagtagacat caaatgggtcc ctaatactca ccgccattgt 420
caatacgaat gcgnttcagc ttcttgcttg attgcctctt aactaagaca tgaaactcct 480
tgaacttctt aagaacttgg tcatttgtct tttaagcata tacccaaagt ttcttggaa 540
agtcataat g 551

<210> 2823
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2823

tttgaaagta ttgnaagagg ggaaaacatt tatgtgttac tcacgcacac aaagaccttg 60
tatgaaggat taccagaata gaaaaaatga ttgatcattg ttgatgtgaa ctttactagg 120
agtggatcgc ttgatacaag ctactcaatt ttggacgacg ccacttcctg atagggaaga 180
taattcatgt acatgccaca tgaattacct tgataaatcc gagattgggtt cagcgaggaa 240
cccatagaga agttctcaca aatttttatg aaaggcccat agttccttca ttgaaaacga 300
aaacctatac atatagtgtg tctgaacaaa aagatattaa tagacgtgtg cct 353

<210> 2824
 <211> 869
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2824

cgccnttttcg aattgccttg acgatcccat cctgaacacg nacctcngat cncatataac 60
 gccatagcct tcaaggccaa ctatacgggtg tgacacaacc aacatcgcaa tcagtaagac 120
 atgttctatg tactgtatgt agtatccatc actgatacctt ncacctccgc agtgtgcttg 180
 tgaagtgaca tccatatgag aagcactggg atagactcat catacaacgg aatactgggt 240
 ggtacaactc aactaaccca tcataagctc catgaggacc ttattaaagc aaggagccac 300
 gacattaact gcttcaccgt gcgtcgcgaa cacgtcacgt attgcctcac agttcaacta 360
 caaagactag gcaacttaag gaggataaag cttgtattac tgaacctttt tcccattcgt 420
 tcccatctag cgatgaagag ctgcctctat acgaaagaga gtcataagga aatttgctaa 480
 cgattagaac gatgtagggt agcccagcac atgaattgca tgatcgctcg agagaaaata 540
 ttttttaagc caagtgcctc atacaccgga agtaatgctt ttgatcatc gatgggtggga 600
 gtttaactaa cgggattggg ctaagctggc ttccaaaaat aaatcggaga ttaaagccaa 660
 tccctctagc aacaaacttc aaagttgaga ctttattttt ctttcgcca aaatgggtgc 720
 aacttttttag gatagcgcaa ctccatgttc ttttgtaaa ttcataactc gggctttaac 780
 ctgtcccaca atccgtgggt tctctcttc tatgactata ccgacctcga tgcttctctc 840
 tgccccctt tgcttcaactc atttctcgg 869

<210> 2825
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 2825

agcttgacca atccccgacc aaccgggca tattcgggtca gtgagaacct gtgatgtacc 60
 taagcaggcg agctcctggc agtcaacaga taaaaggaa aaagaccaca aagcaaggag 120
 gcttgcggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg tctctggtaa 180
 tcgattacca aggggtgggt atcgattaca aggcttaaaa atgaagacag gaggctaaga 240

tgggtctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga aaacgaagtc 300
 aggaaactaa gggagcctct ggtaaactcat taccacctg tgtaatagat tacacacagg 360
 gatgggtcac c 371

<210> 2826
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 2826

atgataatga aaatattttc acaacagacc ataatgatgt gatagctaca gacaaatcga 60
 aacccttgt caattaaatc gaaggaaatc tgtctaagag aaaaacacac aaagtttata 120
 ccaggtcac tgtaccatct agactacatt cagatcttgt caaaccacta agttccacta 180
 acttataaaa gctacaagct attttatact gctactcctg aatcttacag acacaagctc 240
 tacccaaagc ttgattttta cccagtattc tatgatctac ttagtcatag tgggctctaa 300
 acaaattaac atgaatctgc gttgaaaggg gcttaatgac taaaagatta tcgtcctaca 360
 gacagatatt aactcgcact atttcggtga ttctctcgag aatacaaat 409

<210> 2827
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 2827

gcatgcaagc ttaaagcact aaaaggggga aaaataatga atatttacta ggacagggtg 60
 tatcggatcc cgtaacaaaa gtaagcctct agaaatgaaa atgaagctac ctcgttaact 120
 atagcaccta agacatagga aaatagccac tcttgagctt tccccgctgg acatgaaggc 180
 tttgctctct ttggtttccc caataaccaa agttgaagac ctggcaagtg tgcttttggc 240
 cggctcacct agagaaaagac ttctcccaga catttcaaaa tcagatatat ttaaggcagc 300
 tgccatactg aatatccctt caaacatagc atctttacta catacgaatg gctcattttc 360
 aa 362

<210> 2828
 <211> 281

<212> DNA
<213> Glycine max

<400> 2828

gtcaaacggt cttttttttt tctactgtag accttagcaa gagctttcgt atttttaaact 60
gttgtctctg aacaataaaa tctcgctata ttctcatcat gccattatgt tttgcagagt 120
ggaacactag cattccgatt ctgaatgatt ggcttatata ttgcacagct ctattcactg 180
ctgttttacc ttaggacagg tgggtgacttg agttagtctt ctatgggaac ctttatatac 240
gacgatgaag aaatcagcgt tgattgtctt ttgaaaactt c 281

<210> 2829
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2829

cttatngcaa caaatcaaca tgtgcttgct tatcgaacac atgcacattg agcgcatagc 60
ataatcagac aacaaacaac aacaacatt tgcacttaaa tcaactaaca caaatattca 120
tagagtcatg agcataaccc aaatcaacct aacatcaaca cacaaaccaa ctaacacaat 180
tattaaaçaa gttacagaaa agaggagaaa gacacaaacc aactaacaca attattaaac 240
aagttacaaa aaagaggaga aaaagggtag aaatcctggg ttgtctccca ctaagcgttt 300
ttttaatgtc attagcttaa cgggtcaaat gacttcaaga cggcatgaag gtcacataga 360
acacatnadc cttacatttt cacttcttag ctagagactc catganaaat atgtatncct 420
gagatggctt ccatatcatt gcaagggaag ggttggtgat c 461

<210> 2830
<211> 487
<212> DNA
<213> Glycine max

<400> 2830

tctaaggtag aacaacaatt gcatagaaac agtcatgaag atgagttcat ctaattttca 60
ctcgcttggt tggaaagaca caaataagaa gaaggaggga tcatcaacaa tcaatctcaa 120
tgttacaact caaagaactc aaaataagtt cgatgaggag ctttaagaaag caaggagcta 180

BOOKS RECEIVED

<400> 2831

<400> 2832

<400> 2833

1192

agaaatataa ttctagtcca agatgtatta attatcatgt atgtacccta gctttcttcg 240
 ggcagtaagt gataaatacc gcaaggtaaa ttgtctcaat caccaccacg aatgcattga 300
 tggtgataaa aagcgtttct cgggtcttca cataggcata aaagatccaa agcattgcac 360
 tga 363

<210> 2834
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 2834

ctgggtgagca ggtcactcat aatgtgaaca ttctgttga cttttaaaag gagaactaca 60
 aatgggttctt ccttgaccag taacccccaa tccaaggtag atgaattgag ttttaattact 120
 atccactttc agtataatta ttatcttaca ctctccattt atactgttaa tcaatcagaa 180
 atcatatatg aaaacaactt ttaagtaatt ttatataaaa gttaacaaac ttattatatg 240
 taccatacat aaactgctta ctcataaatt actatittta ttaagaaatg ttttagcttt 300
 gttaattata tataagttct gtgtattttt gccaacatta tcttgctata ctagtagaat 360
 gtttaatatg ttaaccaa t 381

<210> 2835
 <211> 627
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2835

caattttttt gtgttgata gcaaataatt tttttagtta gataccttat gtttgaattt 60
 gataatttac gagtttgata tatatagata ttattataa atattaaatt ttcaatatta 120
 ttaattaatc aaaaattatt ttaaaacaat gttaacaaga tattataaaa gttaataaat 180
 ttatcttgty taaaaattta taaatagatg gccttgtaaa aaattaaaac aaacatttta 240
 caattagtgc atatgatgtt tattcataat attttgttta attgaaaatt atatttttaa 300
 tatatcatat taataaaata aatgtatatt agtaataata aaaaaattat tattttaaata 360
 tgttatttaa atttaaaaat ttacttaca ttaaatacct tactatttta aatagttttt 420
 attaatgtca ataacaaaaa attcaatgta aaattatttt atataaaatt tatgtaaaat 480

acattgataa tgtaaaatta ttttatattg ttatcataat cttattaatt ttctcaataa 540
 caactttaaa aatcatattc aagttgatgt tcaacangtt aacatgacaa tgtaatttat 600
 ttttatattt acaatgcata ataatta 627

<210> 2836
 <211> 621
 <212> DNA
 <213> Glycine max

<400> 2836

tgtatgaggg gaaaagtat taaacgttac atatagatac ccattctcca tcttttaagc 60
 gctcaagagc ttcaatcatg tgctcttgat aaattccacc acctcttgta ataggtatgc 120
 atttcctgt gcaagttacc attttagaaa caacagtact ctgtaaaaac aactagaaaa 180
 gcttttcagc atattttgat gcatatatta ataaacttca acccaatcat atgaaataga 240
 cagcagtaaa gcatcacagt aagtattaac cttccgattc aaacattggt agcctagtga 300
 agtgaaatgg gtttaattca atgctactga actatagaca aagacaacac acaaaaggac 360
 ttcatccaaa tcaccacaat gtaatacatt cattgaagaa aggccttgat agttgataaa 420
 cagatttggt atattcaatg acatttttgc caattctggt tttctttttt ctttttttga 480
 ttcagaatta aattttggga gtcgaaag a tactaaagtg ctttagctgc aaatttcctt 540
 ttcaacaact tttaagcaac agatctgttg tgttaaagta ttgtcccaag atgaaaagaa 600
 acaagattga ggatctatgt c 621

<210> 2837
 <211> 579
 <212> DNA
 <213> Glycine max

<400> 2837

agcttatcta attaatctga aattgagaga aaatgattat taaacacaca aaatgtaaatt 60
 actaagtatt tattacctat acttaacaga aaatacttat aacattacaa aataaccata 120
 aattgggaga gtttgataca atttatacaa gttttataca caaaagttag ttgttttcac 180
 cgactaacaa ctcccccaaa tttacagttt tgcttgctct caagcaaaaa gagaataact 240
 tacttttcct caagtgacaa tgacatgtag tgactatgta caaaggtgta tgctacaaag 300

tgactaattt catgataaga gaatggagta aaatgccctc atcacttgtc tttcacaagg 360
 tatgcagtta tccaaagaga agaataaaat gtaacctgaa cagatagatg aagttaggca 420
 taagataaat atcaaggaaa gtagcttaaa ccacagtctc atgggtactg tttcactcaa 480
 gcacaagtgt ttaagctatt cattaatgac aactagcaag agatccaatc tttgaatttc 540
 atctcatgcc ataaagtcaa aaatgtataa atagaatca 579

<210> 2838
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2838

tcttagtctc agctgatgaa gatgaatttg tggctacttc atgcactcct ctaatgacaa 60
 tagcatcatt tctggcacta aattgctggg agttggaagc catcttctca attaaatttt 120
 tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tcatgaaatg tatgtgtggt acgataggta gcaaaaatac cttatcaaattt tacgtagca 240
 aaatgccttg ttgatttaat tagcaaaata ccttggttaatt ttgtagcaaa aaaatagtaa 300
 tataccttga ctatgcgtat atgtatttct taggtagcga aaaatgcctt gaatatgcat 360
 gtataagtgt ctctagggtt acatttggaag agagtcgtan gccgttggtg ctgcactttg 420
 ctttaaaatg gcacttcctt gtaaaatgac tttccaaatg ttggcttttg taagaaatgg 480
 cccaagaaa gctttccaca aagacatcca agaaagacgt caccgaa 527

<210> 2839
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2839

agcttgcccc caagtcccat aattgttggg cctctttcaa cagctgattg ttacaaataa 60
 ttttgctttt taatctccct tctgcttcca attttatttt tttgatcagc gaaggtaatc 120
 tataaattaa ttggagtacc agaagtactt aatagtacat aaaggaccat acaaattggtt 180
 ccacaatcag acattgatat tctgaaaggg aaccagagta tggatatata tttgctatga 240

aatttacaat aaataggctc gtaacaatgt aggctactac tgatacaaaa agctttgtgt 300
 aaagctgctt gccattgat tgaaatggac tgtgaaacct ttctcaaaac cccttagcca 360
 agaccacagt agaaaagtcg catcttcaaa tagtgcatta gcattgaaag tggcattgga 420
 gaacactatg ttgtttctaa gcttccaaat agaccacgtt aaggctaacc accagtattg 480
 ccatctgttc atccttactc cagcaagttg tacacccaaa tgttgtanga aatgctgctt 540
 tgggcttaat gggaaagcac cttttatgtg c 571

<210> 2840
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 2840

cgagcgacag taggccttag aatcatttta ctatagtgat catagatgtc gtgatgggtg 60
 cgagctcctt gaacgacatg tgtatgatgc tgggtgcacct ttctcttgc 110

<210> 2841
 <211> 521
 <212> DNA
 <213> Glycine max

<400> 2841

agctttcttat ccaaggcaca tcttgggggt gaagctcctt cttccatggc ttattcctta 60
 atggatagcg cctcctctca cctcctttcc tttgtcttcc gctgcatctc catgggggaa 120
 aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataaa agccccacaa 180
 gcaagcttcc atcaagtggc atcagagcac aagagcttca agtaggtgct ccttaaacct 240
 ccattaattt ttttctttac cttctcttcc attggtgggt cttcattttt ctccatgtat 300
 ctectcacat gtcttgttct aaatgttggt aacatgattc tttagagttt ccaccgatta 360
 aacttgctat agaagttaga tttgattttc tatggttcaa atttcttgtt cttgttcttg 420
 aaccatgaat tgtgttgagt ttacgctcct ttgagtttgt cttgttattt tttgtggctg 480
 aatcctaaac cataaaattc ttacaaaaat attaaagtag a 521

<210> 2842
 <211> 534

<212> DNA
<213> Glycine max

<400> 2842

tgctgtccg atgcagcagt aatgatggcc cgagttatgt tggggaacgg ttacgaaccc 60
ggaatgggtt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
cgtgggaagt atggtttagg ctataaaccc actcaggcag atataaagag aagcatcgcg 180
ggaagaaaga gtggtggtca aagctcgcag ttgagacaag aaagtgaagg aagtccgccc 240
tgccacataa gtagaagctt tataagcgcg ggtctgggag acgaaggcca agtggtcgcg 300
atatacgaag atgatgttcc gaggacattg gatttagtac gaccatgccc tcctgatttc 360
cagctaagaa attggctagt ggaggaacgc cctggcattt acgcaacgag cataatgtaa 420
acctttacgg ttttaaaagc tctataattg ggcctaggct ttaaagtttt tcttttgta 480
aggctttgtg tcttttgttt ttgaatttat aatacaaaga cttttcttc atct 534

<210> 2843
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2843

gcttncaaa cattcaagta attccacatc caatcatcat ggactaacia aaccaagcaa 60
aacagggcaa aagcagaaaa ctttgcccaa aacacaactc aaaatcatag cttttcacat 120
acaaataccc cagtaacatt tccttcgttc caattcgta accggtggat tgactcaaaa 180
attttactgg aagtctctag tacataagtc tacattatga ccgttgggat ctgctaccaa 240
atgtgcagaa ccccatatgt actatccttt tcacaaccag ccatacacia gcatttttct 300
gcacttatac aaaattctgc tgcacatttc aacaacaaaa ttctgcataa agtgcagatt 360
tcgaaaacca ctctttccct catccaattt tgcccaaatt gaatcctaca agtcccaa 420
catgtaccaa tcatgtctaa aacaaggaca agcttcagac caaagcaaca caaatctag 480
gtatcaaaa cccctcaatt aat 534

<210> 2844
<211> 627
<212> DNA

<213> Glycine max

<400> 2844

tctatagaag gttcgtccct aatttctcta caattgcatc acctctcaat gagctagtga 60
agaagaacgt ggcatctacc tgggggtgaaa aacaagagca agccttttct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt accaggtggg caccctattg 240
cttatttttag tgaaaaactt tatagtgcc aacctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
tcatttatag tgatcatcaa tcaacttaagt acattagagg gcaaagcaag ttaaacaaga 420
gacatgcaaa atgggtagag tacctagagc aatttccata tggtatcaaa tacaaaaagg 480
gaacaacaaa tgtggtagtt gatgccctct ctaggagaca cgcattgttt tgctccctag 540
gagcccaaat tttaggattt gataatatta gggacttgta tgctttaa at gaacatttct 600
cttccattta cgagagttgt gggaaaa 627

<210> 2845

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2845

cataatctac attttctctt gacgaggaat tgccctgaag cttgaccaca cttatccaac 60
aagccaacaa tgcaattaat tttaaaaata gaggctttgc aaaacaacat aatctttttt 120
ttaaagggac tgaattggaa aaacttgctt ccttaaacca caaatggggg acaaagcacc 180
aaaagaaaca agtcgatgaa agcccctact aagaacttca tcagcaaggt aagaaaggat 240
tgaaaacaac aaatctgctt gtccggacccc acacacaaga gaagaagcta actggttttc 300
cattgataag aaagaaaagc ttagttgact tgaggaacac acaaatccag gaggcaaaag 360
tagaattaaa cttanaataa cttatgacat gaagtagtcc aatccgtggt atcaaaggca 420
ttaccagtgt ccaagcttct aaatcatatt accac 455

<210> 2846

<211> 340

<212> DNA
<213> Glycine max

<400> 2846

gtaacgtcgg caacgacaac caggacatgg atagcttagt gacgactaga aaatgatatt 60
tcatatggct ttagcgaaat catctttgaa gactccacac atttcaaaaa cggcttttgc 120
gaaaatgact ttggaacctc agaaatgatg atgatcttca ttttgaaatt tcacagtcaa 180
ttttgacaaa accattttgtg aagtgtgttc agtattaaca agaatgtgac tgcattctatt 240
aacaatgaca atcattttcat agccgactca gataacgcat tgtaaaagat gcattttattg 300
actaggatag gcagaggaga ttgaaaatga gtttcatttt 340

<210> 2847
<211> 306
<212> DNA
<213> Glycine max

<400> 2847

cagcttttgag caaattcaaa cgacaataac ttttgaatct gatgcccgat tgggccccat 60
aggatattaa gaccctttta tttgaaaacg gaagctctta caaaaatcaa accacattaa 120
cttttaactc gaatgtccca ttgagcctct ttattatata gagacgctgg aaatttaaac 180
cagaagctct ttgaaaaaac aaacgaccat gactttccac tcggatgacg gaaagagcgc 240
cgttatatat cgagacgctt gaaattgaaa gctgatgttc tgaggagatt cctacgacaa 300
taactt 306

<210> 2848
<211> 427
<212> DNA
<213> Glycine max

<400> 2848

tcagttttca attacgagcg tctcgatata ttacgggact caatcatata tccgaattga 60
aagtttttgt cattcgactt ttcatagagc ttctgttttc aatttcgagc gtcacgatat 120
attaaagggc tcaatcgac attcgagtta aaagttattg tcgtttgatt tttctcagag 180
cttcggtttt caattaccag cgtctcgata tcctacgaga cacaatcgaa catccggctt 240
aaaagctatt gtcgtttgaa ttggctcaga gcttcctgt tcaattacca tcgtctcgat 300

ttattaccgt actcaatcgg acatccgaat tgtgagttat tgtcactaga cttttcatag 360
aaatttcggtt ttcaatttcg agcgaataga tatattagag ggctcgatcg gacatgcgac 420
ttaaagg 427

<210> 2849
<211> 488
<212> DNA
<213> Glycine max

<400> 2849

agcttgccaa cccatggaag ctctaataat ctcccacact ttttggggtg ggccattctt 60
ggatggcctt gattttctca aggtccactt ggaccccatt tctaccaact acaaacccta 120
agaaaactat attatctaca caaaaagtac acttctctat atttgcatag agggtggttt 180
tcctaaggac tgaaagaact tgcctgagat gtcctaagt atcatctagg ctctactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat 300
gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcttgaaag cggttttcca ctcatcacc tttttcatcc 420
tgatttggtg ataccactt ttaagatcaa tttttgaaaa gatattggca ccatgcaact 480
catcaagc 488

<210> 2850
<211> 593
<212> DNA
<213> Glycine max

<400> 2850

tatcgatc gattacatgg ttctttttta gactgggtga tttttcagga gtctctactt 60
caatcgatta ctagtagata taatcaatta cttctctctt aaaagtgttt tagaagtgat 120
caagaacact ttaattgatt acatcaagaa tctaattaat tacattgttc ttgaaagtgt 180
tccagttttt gggaagaaca ctttaatcga ttgaaatgat aatataattg attacttctt 240
cgaaataatc aatgacattg tatatttaaat cgattacagg tgggtataat tgttttctct 300
ataaatagcc accatgtgtt ctcaattcga acaacttctg aatgagatag aattacgagc 360
tgatattagt aaaatgaaaa aaagaagaaa aagttcttag aaacaatgtg actcacaact 420

tctaattcttt gattatgaag atcattttgt gaaaagtgag ttgtgaattt ttcttgagtt 480
 caagaaggca cccattcatt caagcccaag tcttgcatat gtttgatcag ggtttgtcta 540
 tctttggact tacttttcgt ggggttacac attggtagtt tgtgcatgaa ttt 593

<210> 2851
 <211> 544
 <212> DNA
 <213> Glycine max

<400> 2851

agctttgaga tttaagagga acaagaaata ctattaaggt tatggggttg caaaggaaaa 60
 aagagaaaat gaagatgaag ataaaaaac tcaccctttg tgatgattgt tatctggcaa 120
 tatttttatt ttattaatga aggtaacttt agacggatga aatgatcatt ttgaattaat 180
 ttaaaaagat aaaggattaa actgaaaaaa agaagataaa acactaaaca agtcatttgg 240
 ccttattatt atttttaata tttattatta ttatgttaaa gctgaaatat aatattgggt 300
 ttcataatac aatgatttca agtaaattta ttttattgta ttatttctaa tttttaaaaa 360
 agatgtgtat ttttaatttt tgaaaaaata tgtattattt ttattaaata taagactaaa 420
 aataatattt aaattaaaat taaaactaaa aaatatcttt aaggacaaaa ttacgcttta 480
 ttctcaagga atttgatttg attttaataa ataatgagc ctataatttg caacgacatt 540
 cata 544

<210> 2852
 <211> 618
 <212> DNA
 <213> Glycine max

<400> 2852

ggaagcgctt cctaatactg gagaattgggt ttgggatgaa aaaatggaag gccaacgttc 60
 accaatcact acaaacagga aatcgaaaga tgtagagagg ttaggcattg gaaaagagag 120
 gtcaggtgca agatttagag tagcatttta aaattaatct aagccattaa tttaaaatga 180
 aatagaagat tcagattgag agtaatttga aacctaacat gatgaggggt aaaaagaatc 240
 ttaattgacc tttagccttg atcaaccacc caaagtgata gcttcaccaa gtctagaaca 300
 tcgatctgag aaattataat tactttatat ataattgaac aaaagaaaat agtaggttca 360

$\frac{d^2}{dt^2}$

<400>	2853
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<210>	2854
<211>	664
<212>	DNA
<213>	Glycine max

tcaagaataa tcnagtttca agattcaatc aagtttcaag actcaagaga agactcaatc	60
aagataagta ctaaaaaagt ttttcaaaac attgagtagc acaagaattt ttcacaaaat	120
cttttaccaa agagttttac tctctggtaa tcgattacta gtagccagta ttgttttcaa	180
aactgattta caaagctgta atcgattacc ataatcatgt aatcgattac caatgtttta	240

aaacgttaag atttcaaatt tcaagagtta caacttgtgt ttaaattttt tcaaatcatt 300
 ttaaacttgt gtaatcgatt acacaatact tgtaatcgat tacctaagct tctaaacggt 360
 ttaattttca aaatttaaaa tgaagagtca catctgttga tgtgtaatcg attgcacctt 420
 aatgctaata gactaccagt gactgatatt gaaaaatata tttccaaaag tcacaattct 480
 tcaagtgact tatttctgaa gattttttca aaagtcacaa ctttttttagt ggttacgttt 540
 taaagaaatt gtcaaaagtc acaaactttg acttgagtca tcaagagatt ataaatttgt 600
 gaccatggca tgaatttcat aatcatctaa ttatcaatca tctttgaatc atctatctat 660
 caat 664

<210> 2855
 <211> 978
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2855

ggcgcgcggg gggactctca ccgtgggntn ccctctctc cttaacattg actacaggcg 60
 ggccaagcta gtagtgcaac ctccccgta gaaccgggag tgtaacgtgg agacctctgc 120
 cttctcgaga gatctgagcc cccccctcg ngacaagctc tcngcccatg aaggaaaaaa 180
 aattcttttt aggtgcgggg cgtagccggg ggaagcggag aatatcacta tcgtaaatac 240
 cacaccgtcc cctttggtaa agcacggtct tcgcgcaaca tcttaataata gtcaggggagg 300
 gcgaactctc atacggaaga caatggagaa tttgaacca accttaaaaa gaaacaggga 360
 ttctcccgtt cgacaaagaa gcaaaacacc cttaccagc ccgttcgggc ccctatttat 420
 aatttttaat aatcacctac tcataatgcc gaaaggcgga gatataataa ttgtgggtttc 480
 ataataacaa cggatgtccc aggaaatgtc actgcaatgg ggcgatttct caaacccctaa 540
 aaaaggatgg ggaatcttta cattcttggg aaaaaaacg gaataatttt caataaaaca 600
 gcacgaacca accacaatat tttaacatgca aaattcaggc ctacaaacaa atcttttata 660
 gggaacaaat aacggtctat ttctccacga atctcggact ggagcttatt aaataaaatc 720
 gggcttgagt atttgggagg gacattctac acataccgct tcttacgact taccaaaacc 780
 ttctttgaag acagcactgt gggagagata attttctaac aaacactttt ttagaagagg 840
 ggggtgtata aagaaagagg ttcaggcctc acttagccgc ttttatatac catcgctcga 900

cctgcgaatg caaatcttct tcagagaatt accatcgacc atgacctctg ggatgcta 960
 caacctgctg ctgtaccg 978

<210> 2856
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 2856

tagaatgatt gcacttcgtg ctctatcttt catctttgat gtcccccttg agcctttgag 60
 attcagacat cattccttct actttaagag cttatgcaca accatgttga atccagattg 120
 cttacatctt gaatcttcat aacccaaagt cattttcccc tgaaaacttc tctatatcat 180
 attttgtggg tcccatcttt ctgatcctg aactattccc cacagacagc gccacttgtc 240
 ggttcttttg aaaagtcccg caactcttaa acctgcccac gatcagaaca tgaacctgag 300
 taaatatcat tctgacctt ttcagtggag ctagaacccc aagatgtaca tggttcacca 360
 ctctgcctac ttacaatcat cacatcggtc acgaaagtgc caatttcatt tcaagccaac 420
 tggctaactt tggagctctc tttgcttt 448

<210> 2857
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 2857

cggcaggatg tttcaatgga ggaaaagaaa gagggagaga attatatatg ggggagcacg 60
 aaattgaagg aagaaaaagg gaaagaagtt gaactttgag ttgtgtctca caagactctc 120
 attcatcaaa gttaccacaa gttttacaca tgcttctatt tatagactac ggagcttcct 180
 tgagaagctt tcttgagaaa acttccttga aaagcttttt tgagaaaact tccttgagaa 240
 gctagagctt agcttcacac acccctttta taactaagct caccttcttg agaagcttct 300
 t 301

<210> 2858
 <211> 615
 <212> DNA
 <213> Glycine max

<400> 2858

ctctagcctg ctcaatgggt agacatgata catgttcaag gttegggtctg gtttcaagac 60
tcaagagaag actcactcta tatccgtgtc acaaagtctt tcaagacgat gaggacacta 120
tatgctttca cggacatggt tgccccctgag tgggtcccttc tgggtatcaa ttacttggac 180
ccgggatggt ttggctaact gatttactac tctgatatcg attaccataa tgatgtcatc 240
gattacccat gttttaaaac gtgcatatat cctatttcat taggtgagac ttgtgattaa 300
atatttgcaa atcattctaa acttgtgtaa tcgattacac tatacttgta atcgattacc 360
taagcttcta aacgttttaa ttttcaaaat ttaaaatgaa gagtcacatc tgttgatgtg 420
taatcgattg caccttaatg ctaatcgact accagtgtgact gatattgaaa aatacatttt 480
ccaaagtcac aattcttcaa gtgacttatt tctgaagatt ttttcaaaag tcacaacttt 540
tttaagtggg tagtttttaa gaaattgtcc aaagggtcaca aactttgact tgagttctca 600
agagattata aatat 615

<210> 2859

<211> 513

<212> DNA

<213> Glycine max

<400> 2859

agcttgtagc gtttttatag attgttatag aagctcttaa aagctgtcct gtaatctgtc 60
accataagct aagcagtagc cttcatcatg aactatTTTT tgtactatct gtcaattcat 120
atacatatat atatatatat atatatatat atatacatct cagcaaacta aggttgagga 180
tccttttttg gtgcatatTT tcatactcaa acatttcaag taattctaaa gagtctaaac 240
gtctaaccat tttaattcat ggaatctaaa taagccttat agatgcaaac atccaagata 300
ttaccattca tgataattta atcatttgaa atagcactaa ctgcagataa cacaaacctt 360
attacaattg ctttatctgt atatccttcc ccgcggtcac taaatgaatt tcgcaccata 420
ctcattggct acaacattta acgaacaaga caacgaatta ataagccatg acaagggctt 480
gaagaaatct atgaataacc ctatggagaa act 513

<210> 2860

<211> 304

<212> DNA
<213> Glycine max

<400> 2860

tcttagtttc agatgatgca gatgagtttg tagctacctc gtgcactcct ctaatgacta 60
tagcatcata tctggcacta aattgctggg agttggaagt tatctttctca aataaatttt 120
tggtcttcagc aggggtcatg tctccaaggg ctccaccact ggcaacatct gtcatacttc 180
tctccatggt actgagtcct tcataaaaaa tattggagaa gaagttgctc cgagatctga 240
tggtgagggc aactggcata tagtttttta aatctttccc agtattcata taggctctgt 300
cgca 304

<210> 2861
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2861

agcttgcttc cttcttcata ctatgtgcc aatattccga ccgaagtctc agtatccttt 60
gtctccatgt gtgtgtatat atatgagaag agatcaaatt tacaccggta taactttgac 120
aactattata ccattctata atttttcaac tgattaatgt gttcttaaaa cttaccattg 180
catcgaaagt tcattttaca tanattacat acccccattt tatattaatc tacaattatt 240
cggtagcctt atccatatag att 263

<210> 2862
<211> 960
<212> DNA
<213> Glycine max

<400> 2862

ctgttgagac atcgctggcg atgcgaacct gactactaat ataactacgt catagcctta 60
ttcgacaaat ctgatataac atgtgcctac tttctactga ggactggatt tcatgtcttt 120
cacagtagca caatctaact tccacatacg acttagctat ggtatgacta tacactcgaa 180
tacaccattt gctcatctct gaataagaag atatatacca cagtcgtatc acaagcaatc 240
gcctcttagg tacgaatgcc tctcactga catcactaat tatatacacc gggtgcttca 300

ttgaaaacgc atctctccac aatatttcgg gaagataaca actttttacat cggatccgaa 360
 cactgactaaa tattaatctc gattatcttt ctttcgacaa taaatctgtt gcacaaatgc 420
 tctagtctaa gaacgattac ccagtgcggg aataatcagc ctgtgtgtat aaaccaccca 480
 ccagtgtgtt tctcactctc caaccagctt cctgagtgag gatacatatt accaagcgga 540
 tggtttgtgc tcctgaggct ggtgacagaa ggaggtcttt acaaaccaaa gtgagctccc 600
 ggcttaaaca tgttctacta tcagagaaca ttttcgtgaa aacgtgagct cttgaatgtt 660
 tccttgagct caagaaggcg gcccaatgaa ttacaacca aatcctgtgt tggaccgaac 720
 cacgtgtgtg tgtaagggtg acctctcctt tcaaaggggg aatacacgtc gttcggttcg 780
 ggctgattt tcctagggcc cgctcaaca agatactcgt tggcggctca taccgcagca 840
 cccttagggg ggaagcctaa gcctctttcc aaggggaagc accgtacttt ctgtgggaaa 900
 ttcttcttgc atggcgcaaa tctatctggg ttgggttaca tacctaattt acctctctac 960

<210> 2863
 <211> 508
 <212> DNA
 <213> Glycine max

<400> 2863

ttatctccaa ggcatagaat gattgcactt cttgctctat ctatcatctt tgatttctcc 60
 tttgagctta gagattcaga catcatttct tctcctttaa gagcttatgc acaaccatgt 120
 tgaatcaaga ttgcttccat cttgattctc cataacccaa agtcattttc ccctgaaaac 180
 ttctctatat catattttgt tgttcccatc tttcttgatc ttgatctatt cccacagac 240
 agcgccactt gttggttctt tgtaaaagtt ccgcaactct taaacctgca caagatcaaa 300
 aaaagaaaaa aaatagaaaa catagcaaac aaatacagca gagcaagaac ccaaagattt 360
 acatggttca acaatatgcc tacttccaat catcacattg atcatgaaat taccagttca 420
 atacaagcag caactaactt tgatctctct ttgtttctct tttgacaaaa cctctctcaa 480
 tcacctagct tactacctcg tttttgaa 508

<210> 2864
 <211> 1070
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2864

ggcaggtggt tggttgtgtg anacntataa tctatgacan tataatcaag tgtgagagtg 60
ntgtatagan gtgaatggga acagaggtga gagtaggatg atatgaggtg gaattatatc 120
ncanccagtn ncnncacga gggttgtgga catggaagta gcnacttgtg ganagnaacc 180
cactcanaat tttggtggag aaaagaccct cnnncacat tnatnanana ttaataatgg 240
tntgggacct ttccttatat agtgtgtgtg tgttcagnga tcataaaatt ttgggaacgc 300
ttagagggaa aataggagtg taatattggg atttcgatgg gaacaataaa ttaagggagt 360
gggaggctct tgggttaatt atggggaatt gaggagagta gaggggatag gaagcgtggn 420
tggttacaga gattaggaga ggtgttaaga aaagtatggg ggagttaaag ttagaggggg 480
agattagtgt aggtagggga gataggaggt tttgattgtt tagggataaa gggggtaatt 540
gttaaaagta aatttaggag ggagtagggg gagaaaaatg tgaaagaggt ttaagaagaa 600
aagttagagt aggtgggggg gaaatgtaat tgggggaagg agattggaga tgggtgaaaa 660
ttgggggttg aggtaatgaa ttagaaatga tggtagaagg ggggttattt agacaggtag 720
gagggacgtt acaaaaatgt tggaggaaag gtggaatagg agaaaaggag gtatgggtgt 780
gcagtgggtg ttgagaggaa gatgtagagg ttgaggggtg gagaagggat aaagagaaaa 840
tgggggggtg agggataaca ggggagagtg gtgatgggga gagagatagg aggtttgggg 900
gatgaagtgg taagtattgg tgtgataagg tgaatgttga ggggaatgggg gattagtggg 960
gaggaagggc gaggagtggg gtaatgggga gagtgaagag aataaatggc ggaggtaagg 1020
gagtatgaaa gaggaatatg gtggttgttt gtgaggaaat gtgtgggagt 1070

<210> 2865
<211> 302
<212> DNA
<213> Glycine max

<400> 2865

cgacgtttga tgttggtgat aaaatgaaac ctttttttct cttcctttga tgttgattgg 60
ctaaccatgg cgtggcaaac attttttctt cctctctttg actccaattt tgttttatac 120
atacagcatt catggaaact gttaaaaacc acattgtttc cggggttatg atccccatac 180
agggaatttt tacgtgatgt ctttgggatg aaaaatgcta ttggagtgga ggaaacttcc 240

ccttggaccc caaagctatt cttttattcc tttttcttca caaaagtact tttttgatcc 300

aa

302

<210> 2866
<211> 911
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2866

ccccgccccg tggaaccttc cgccacaccc tcccaccccc ctcttcaagt ntaattgcgg 60
atatccttcc ctncnctc cccagccaa cgagagngtg tagactcgtc ggaaccccg 120
cgatcctcta gagaacacct gcaggcctgc catcttagca aaaatagacc aaaacttcgt 180
aagttatcta accctgaacc cagcccaaca agagggaccc gaggatgaag cttaacttta 240
gttattccaa acccaggagg gtcgtctaaa ccaagcctat cccaacaaga gggatcctgg 300
gaccaacctg atgcaagcct ccttggagct tgcattgcta ggatcttcct catcaatgga 360
ttcccttgct tcttgaaga tgaatggcac cggaatgaat aaaggaagag agagaggaga 420
ccccacttc aaggagaaga taagtctaaa agaagccac caccatagga ggccatggat 480
aacaacttgg aggaagaagg agatgaatgc tcggagagga agaaaagagc acaaaacttt 540
gggctctaaa gagctttgaa aactgaagtc taaaattcaa atgattcaca gctccaaaaa 600
aagccacac atgacctcta tttatagccc aaggggccac acaaaatcgg caggaaatct 660
gaattccatc caaaattcac ttgaatctgc gattgaattt gcggagccaa acttgggagc 720
ccaaatttcc taaatatgat aacggaatct aatatgggcc agcccactaa ccagaaacca 780
ctccacaaat tccataaag ggctaagggg tcacgaggcg gcaagcatga aggacatccc 840
acaggggtaa acatgaacgg ccacggggcg cacaacata aggccatctc cccctaaac 900
aaagacggga t 911

<210> 2867
<211> 282
<212> DNA
<213> Glycine max

<400> 2867

gatgaaatcg tgacgcacta tttgcatatt ataaaagact acaaaatcgt aaaaggctat 60
 ctgtgactat aattgcgga aaaagaaact gataaaaata attaagagtt agtactgcaa 120
 ttgatcccat agagtacatc accgtcactt taggggagcc aaatccacct ctcaacactt 180
 tagattgtag cctatagatt taccatttca ttttataaat cgggtgtatac ggcgacggtc 240
 agaccataag gtgaaactga acaatgaata atgacatgcc tg 282

<210> 2868
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 2868

gaaaatatct attgttacta cccgagatac aggttttgct gctcggccta ttggcaaate 60
 caactgcac aatgcatctt taacaagcat accacgaacc agagcagccc ccaagttgac 120
 ctcttttga ctctaaaata ccatagaaaa caaggtatgt aaaatgtgca actagtcata 180
 tattaatcag acccttctta aaccataaat taaggcattt tccacagcaa accaggggaag 240
 gcatttcaat gggtaaaaaa ttagacgcca acttttctgc aaaataacat ggtgggttaa 300
 acacagaagt ttcttatgca gtacctaggc agtggcacca cataaatgta acaaaacatt 360
 tgaatctttc aatatttatg gtatggctaa gcggaacata cttgcgaaaa tacttaaggt 420
 cacttttagca tgcatac 437

<210> 2869
 <211> 651
 <212> DNA
 <213> Glycine max

<400> 2869

tcataacatt tagctagagg gagtgtgcta gaatatctca ataacatctt aatatcatag 60
 acaatagatt ttattctttc ctatatcaaa tgatgaccac aatcaaggtc acatcaacta 120
 tatttgtttg gaacttttca caatatggaa gatgacgaaa aaatgttgat agtgaccaca 180
 acaatgcaaa attttataat agtatgttac aacggcatat ggggagagga aaagaaggaa 240
 tatacaaggg cccgggcca tgatgcaaca tactacctta atcacaaaat aaacattatt 300
 ttgtcactca gtatggaatt ttgcaatcca caaacaacaa catatgggga gaagaaaaca 360

aggaatggtt tatgatatat atttacaata gttacacgcc tttgactaaa atattttcat 420
 ttttgcgatt ccttgtaaag atcacctttg gatccatact atataatcaa ataaactcgg 480
 ctttataata ataattcaga aataacaaag taaaaccttt tcggtgaact ttggcatgtg 540
 cttctttaga cgtaaaattt ttttcttctt tgacatgtgt ttgtctaacg cggaacaacc 600
 aaagcaaaga cccatctttg gtgggttctt ctcttctttt ggttctttgg c 651

<210> 2870
 <211> 309
 <212> DNA
 <213> Glycine max
 <400> 2870

agcttacggt aaaatctggg acctagccat ggtagaagtc tccacagagg ccatttgcct 60
 ccctcgccca gtattatgat caaccgttga ggtgtttcac ttttggggac ttccagctat 120
 caccatggt ggaagaattt gaagagatcc taggatgtcc tctaggggga aggaaaccat 180
 acctcttctc aggggttctat ccctcattag ctagaatttc taaaatagtc caaatctcgg 240
 cacaggaatt aaacagcgga aagcaagtcg aaaatggggg ggttgaata ccgagaaaat 300
 ctttggagg 309

<210> 2871
 <211> 649
 <212> DNA
 <213> Glycine max
 <400> 2871

cgtatagttc cccaatttat ggtcattttg gagtaaattt tgtaaataaa tcttgtttta 60
 tgattaatgc tgtctctaga acatttccat tggatttaat gatgaaatct gtgcattttt 120
 aggtgaaaaa gagactacgt tttgaattgc aaaaagtagt agatgggtta agctcagcag 180
 ttgggctaag cgcatatcca ccgctaggcg cagcttcagc gtgcttagcg caaaggagaa 240
 tatggcagag catcagcate aaggtcgcgc gctaagcgcg agatcaatga gctaagtgca 300
 gcaggttcct tcagccaggc taagcgcgag actggcgcta agcccaattt cacttatgcg 360
 cgctaagcgc aacattggga tttcagagcg tatttaaagc ctgtcttatg cagaattagg 420
 gtagacaatg gccggggcac aaaattccag agcagccata agcctatttg gggaaaagag 480

ccctataagc agaaaaaggg gggcagattg tgcattaaag cctcagggtt gtcatttgag 540
agagattatt gagtaaagag tgagtgtgag atgctgagaa gaggaggagg aatccccctt 600
cttgtgtaga aactatcaat tcttgctttt aatttcattt attgttaag 649

<210> 2872
<211> 424
<212> DNA
<213> Glycine max

<400> 2872

gcatgcaagc ttggaagtca aaattagcta accaatgtca acttattttc ttgtagccta 60
agtcttgaca aacaacaatt cattcaccag ttttttcaaa ttcaaaaagg acgaacccaa 120
agtatatcat ttggatctat ggtacgatag atgccagcaa ggtcccttaa agtgaatgtc 180
ttcaagctag gaatctaata tatggcagag tctaaatgac catttgctca atagtttgca 240
tttgaaaaag aagatcataa tagaaaaata ttaatacata gatatacata tcataaggga 300
cttgctaatt actatacttg gttattagtt aaagaactaa aagaagaaaa tgatattgct 360
tattgaatta aatactacac tgctattgta agacatagtc tgctttttca ccaatatgtt 420
acat 424

<210> 2873
<211> 498
<212> DNA
<213> Glycine max

<400> 2873

cgtgcattca atacctgat gaggggtgtc catatgttct caagactgga ctaatacatt 60
tgctgcccac gtttcatggg cttgcagggt aagatcctca taagcatctt aaggagttcc 120
atattgtttg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaagg 180
cttttctca ttctctggag ggagtggcaa aagattggct ttactacctt gctcccaagt 240
ccattttcag ctgggatgac cttaaagagg tgttcttgga gaaattcttc cctgcatcca 300
ggaccattgc catcagaaaa gacatttcag gcattaggca acttagtgga gaaagcctgt 360
ataagtactg ggaaagattc aagaaattat gtgcaagctg ttctcaccac cagatttctg 420
agcaactcct tcttcaatat ttctatgagg gacttatcac ctggagagga gtattattga 480

<210> 2874
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 2874

agcttatctt aatgaaaaag ggtatgccaa aatatgtatc tccagaagat tgggaattggc 60
 taattaaaca caagtagagt ggttcaaaat tttaagtaaa attattttat tattttgaac 120
 ataatttttt taatagggtt acacttataa tataaaatca cttatacttt gatgtaggaa 180
 agaagcttga caaacaagc taattgaagc aagcaagaaa taaaataaat tattgaaaaa 240
 atcaattgtg caaaagacat ttgaaatggt agcatctttt aatattttat attagttttc 300
 ttacaagtta tataaaataa ctcatTTTTT attttgtgat tatttttata tgatatatga 360
 aagggttggtg aaatttataa agacattatg cattatatta tattatttaa tttgtttttt 420
 actatataaa ttttaataga aaaaagattt aatatctggt gaatgacaaa aaaattaagg 480
 taaaga 486

<210> 2875
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 2875

aagggtgaact ctgatccgaa tatacaccgg gatagcaata ccataagtcc ccaactgatag 60
 aaacaaagta tctagaaatg tgacactaaa aaatatacaa tatctatcag cggtgagaac 120
 aacaccgaaa ctctatcaaa ccccaacctt tcatatcaat gttgtgctga aaaagaccta 180
 aaaccaatca cttaattatt tgcacctcat ccttaggcaa cttgaatctc tcaagtaaaa 240
 gtcatacata cctgagttaa gaatccaatg gttttaaagc atctttttta aacttattta 300
 taaatttttag atcctgcatg aatccatatt atagcaatta aacctgcagg atgactatgc 360
 atattcatga aagggaaagt cctaagacac agattacaac agagataaaa ttcagctaca 420
 aaccggaaat tctcacaaga 440

<210> 2876

<211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2876

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 aacaattcaa caattcaatt tggagaagag gttgtctgat aaaagctttg accattcaaa 120
 atggactatt tcttcccaac cagctcaag aagccaggag gtctcaaata tgaagttcct 180
 accaaaaaat tttctttttg aggcattccag gtagaggaga ataaaggagt gatcagattt 240
 ggcaagaata ccttttgaga atatggagtt cgggaaaaga tccatttaat caatagttgc 300
 aagaacctta tctagtttct cctcaataac atcatgtttt cctctgctac gggcccaagt 360
 gtactgatat ccttccatgg ggagatcgtg aagggttaca ttaaaaatgg cttttcttaa 420
 accatggggc ta 432

<210> 2877
 <211> 1167
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2877

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 gattttttga catcctntcc tatgtacnga cactatanaa tactcaaact tccctgtgct 180
 ggaatcaact tgggaagtat cgaaaactgt tgcctttctc atatttaca aactgcattt 240
 ctctttggtg gtgagaggaa tatatgatat atctcacttt taagccatca catgtaaatg 300
 aatatttgcc catggaaaaa aatatttcaa tgtacctaca gtcaagatag gtgggatgac 360
 aactaaaggt tctacacgga aatttatggg tattctctgt agaaagttaa gatccgtctc 420
 ttctaaaatt tgagccatga tccatttggt tgacagcctg cttcttgga taaatatttc 480
 cgagaaataa tgggctcaaa ataaaatttc ccatcaattt gtaaaggaag ccaatttttg 540
 gggaacattt attaccactt gtagtctcga gggtcttaat aaggaatatt taataacaat 600
 gaagttggct ctgaaagatt gggatggtaa tattgtatgc gcaatgaaaa agcctttgtg 660

tttcatagct aattgataca atagaattca cacaataatg taatgaacgc gtaccagaga 720
ctcaaaatgg atgaccgaga tatatttgat ttttaccct atgggttaaa atacttgaac 780
acacaaaagg acttttaggtt agaatgaaac ttatgaagga ttttaactata tggttgaaca 840
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tatgtaaaat taaggctctc ccactatcca ggcacttaca aaggctctat aaatatgcta 960
atagcacaca ttaattatat gcgataatga ctgatcgga aattctttgt ttctgatgct 1020
gcaaatatga aatctttcgg cggataaac aattagcaca tgtcttacta ctaaatacaa 1080
acaactatac tttggctaaa taactcatgc cgcttagaca ctaatacaga ataggtttca 1140
tatctaatat tgaaatgaga gaaagcc 1167

<210> 2878
<211> 881
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2878

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actcgcgcaa acatcacgaa naaagagttg acacgtgcac ccccnntt tnaaaanccc 120
ccaggcntca acncggaacg tcacggagaa aacacttttt ttttaggaac acgggaaaaa 180
aaccggggga ataataaaa gaagtgaaaa ccgaaagagg taaaaataag gaaaacgggg 240
aggaaggccg agaagagaga acccgggggg agcgggagaa aggaaacagg gaaaagaaca 300
gaaagaaaaa aagggaatg ggacgtaggg ggaagaggga aaagcgtcaa acgaggagag 360
agactcgcg acaacaagaa aacaggaaag gaagcaaagg gcgaaagggg gaaaagggaa 420
cgaagaagaa aggcaaacag aggacagcgg aaccgcgggc agaagagaag gaggaaggc 480
ggaacaacgg gagaagaagg aaactcgcac aacgcagaag gaagaaatgg acgaaaaagg 540
ggaaagcgga aacagggacc aggagcgagg aggccgaaca gcggaaggga gacagaggac 600
gaaaggcgag aaacggggaa aaggggaaag gggagaaaca cgagaaaagg gggggagacg 660
ggacaagagg cgggggagcg cggaggggag aaagagggga acaggggaga aacagggaag 720
cagggggaga aaaggacac aagacgaagg aagaggggaa gagagcgaga acgaggcggc 780
gaaagaagac caacgagaga gaaaagcgcg gaccaaggga ggaagaatgg aggagaaagg 840

gagaactacg cgcaagaac aacggaaaaa aggggagaaa g

881

<210> 2879
<211> 305
<212> DNA
<213> Glycine max

<400> 2879

tgcagggata acttggattg aattttacga ccttatgatg gccaccaaca attgttcacc 60
tcagaacttc attggaagag gtgaggttgg gatggtttac tagggcattc tacctgatgg 120
ctcaatgggtt gcaatgaaac ggcttgaata atcaaattct caaagagatg ctgtgttcta 180
aagcgaggag gacattgtta agcaccttga agcaccgtaa tctggtgcca ttaaaaggaa 240
gttgcaccat tggaagaacc aatttgggaa attatatatt gtgatggttt ttaaagatat 300
ttaac 305

<210> 2880
<211> 330
<212> DNA
<213> Glycine max

<400> 2880

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agaggatgct tctttttcaa tttggctcatg gctgttggtg tgacttggat tctatgaaag 120
aaaaggattt ctaaaggaag agattaggac gttttttgca gctgcaggag gcaactgaaa 180
tgagtaagta atctgtgcca ctggtaatgg tgcatatatt tttactttgg aaagagtaga 240
aagtttttat tgaaaaatgt tatgtatatt tttttttcta acctacgtaa ccttgcacaa 300
gttaagtgtc ttttaataatc cccaccccc 330

<210> 2881
<211> 587
<212> DNA
<213> Glycine max

<400> 2881

tctaccctat tttcctataa atagggggag aggtgaaggg aaaaaatgtc cagccctcct 60
ggtaattcga gatcacttga aattagtga aaaaatcggt tccgtgaaga aaatccaagc 120

ccaagtttag aaacatgaag tgaatcaact ctttctaagc ataattgtac acgtaggaca 120
 cttcataatg ttcctttgaa aaccatgaag tgacctttgg agaggggtgg ggtgatggag 180
 accatgttgt ccttttgccc ttattggaag agtgaccctt tgtaggctca ttttcctttt 240
 gtgatattgt ttttaggggt gtaggtctgt gcctaattgct cttcatcttc ttgccttttag 300
 ttttagccat tgatggaggt taaggataaa ggacgaaaaa gaggttgaaa agggttggag 360
 aagaagatag gatgtgggtt atgtctatta aggtttgaaa aaaaggggtg agtgtttagaa 420
 aagtgaggat tttaggtaaa ggtttaggta tttacaagaa cagagaaagt gtatttttgt 480
 ttctaaaaat gttttagaca ctctgtaatc gattaccaag tgttgtaatc gattatagcc 540
 taccctagaa agagtttaag gcctcttcaa aaatggtaat cgattatcaa tcagtgtaat 600
 ctattactcc caacccttaa atcct 625

<210> 2884
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2884

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 cacccatatt gtaaccacac ggcgctgtat tgtatgaaac tgataaacga tgatgatgtc 120
 cacacaatgt taatggggca agagcaattt ttttgtgttg gtgcgataga actattatgc 180
 tccgttggaa gaacacccca tggaataata aacttacttc aaccattat gccccctact 240
 catgacgcga tctgtatta caacaggaaa tggggcatgc caccgcagaa caaatttgtt 300
 ggatgcgcgt tcacaggaaa aaatcctaag aaattttaaa ttcccttaac atgtaccatc 360
 gatgaactga aggatttatt aagcaagttg cacctaaaaa gattctccct cttggaaatc 420
 acgaatcaca aac 433

<210> 2885
 <211> 843
 <212> DNA
 <213> Glycine max
 <400> 2885

<211> 435
 <212> DNA
 <213> Glycine max

<400> 2887

tcacatgttt tggatcagct ttggatgtat caaattgtgc ctaccatttt acaaatgcat 60
 tcctttgtag tgatggatat tgattagttt ttttagtctt actgtaatga tattgccatg 120
 aaaaaatcca tgacaaagca aaagtggaga aataagtcta ccggaatttg tgattcctga 180
 gaaattaaat tgttttctaa attgagcaaa tccttggtga acctgctctg ggaaaatctc 240
 cggaataggg ccaaagaaat tccaccattg taagaaccaa tttgggaaat tatagattgt 300
 gttggttttg aaagatatta accatgagtg cttgaagcgg gtgttttggt gccaaaaaac 360
 ctttggtcaa gcattaacat aattccaata ggtataacct acaggatcaa atggtactga 420
 aaattttttc ccctt 435

<210> 2888
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 2888

agcttgaatc ggacatctgt gtgaaaagtt atgtccattt gaatttttca agagcttcca 60
 tttttaaatc tcgagcctct caacatatta tgcgcccga tccggacatcc gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtttc cgatgtttta tttcgagcgt attgatatat 180
 tataaccctg aatcggacct cagtgtgaca agttatgacc atttgaattt gacgagagct 240
 tccgttggtc aatttcgaat atcactatat gtgatgcgcc taaattggac atccggggga 300
 aaagctatga ccatttgaat ttctcaagag cttccgttgc tcaatattga gcgtctcgat 360
 acgtgatttg cctgaatcgg ccatccgtgt gaaaaagtat aaccatttga atttctcaag 420
 agcttccgtt gttcaatt 438

<210> 2889
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 2889

tttgagaaat tcaaattggc ataacttttc acacggatgt ttgattatag cgcacgcac 60
 atagagacgc tcgaaaatga acaacggaag ctctcgagaa attcaaattg tcataacttt 120
 tcacactgac gtacgattca tgcttataat atatggatat gctcagaaat aaacatcgga 180
 agctctcgag atattcaaatt ggtcataact tttcacatgg atgttcgatt cgtgtgcata 240
 atatgtcaag aggtcaaaa ttgaacaacg gaaggtcttg agaaattcaa atgttcataa 300
 cttttcacac gaatgtccga atcatgctta taatatatcg atacgctcga aattaaacaa 360
 cggaac 366

<210> 2890
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 2890

tgcttgggat tgatcctcca aagggtgttt tttgttatgg cccccagga actgggaaaa 60
 cacttttagc cagggctgtg gctaatagga ctgatgcttg tttataaag gttattggaa 120
 gtgagctact tcagaaatat gttggtgagg gggctatgat gggctcgtgaa ctattttagg 180
 taaaatgcac aagactccgt cctctagctt tttttatca ttgtttcgat gaaaataaat 240
 cattcgacta aaattttctg attttttagat ggctcggta aagaaggcat gcattgtgtt 300
 ttttgatgaa attgatgcaa ttggaggagc tcgatttgat gatggttgtg gaggtgacaa 360
 tgagggtcac cgcaccatgc ttgaaattga gaatcacctt gatgggtttg atgctagggg 420
 aaacaataaa tttttgatgg caactaacag ggtggttgaa tttattgtga gag 473

<210> 2891
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 2891

accgatact atacacaacc ctagcttgta ttatataata tccttgaatc ttcaatcaag 60
 aatttgatat tctgaaggcc aaaaataccg agatatattt aaaaaattat taatctatcc 120
 taataaatac ttattcatat tctcaaattc tgtatcatat cttccattc attatatatt 180
 ttaaaaataa aattatctgt caacaatgtc ataccataat gggtatctaa tctaaactat 240

THE

<400>	2892
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<210>      2893
<211>      1253
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2893
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1222

<210> 2895
 <211> 533
 <212> DNA
 <213> Glycine max

<400> 2895

tgcttctaca ataaggtgat gtccttcgga ctcaagaaca ccggggcaac ctatcagcaa 60
 gcgatggttag ctttgttcca cgatatgatg caccaagaaa tcgaagtgta tgtggacgat 120
 atgatttcta agtccaaaac caaagaagag catctaata acttacggaa gttgttcgag 180
 aggttgcgaa agtaccagct aaggttgaac ccagccaagt gcactttcga ggtcaaatacg 240
 ggaaaactgt tgggtttcat cgtaagccaa aaagggatag aggttgaccc cgaaaaagtt 300
 aaagccatcc tcgaaatgcc gaagccatgc actaaaaaga aagtctgggg tttcttgggg 360
 cgcttgaact acatcaccag gttcatatca cagctcacgg ctacctgcaa gccgttattc 420
 aagcttttgc gcaaggatca gtccgttcgt tggaatggtg attgtcaaga ggtgtttgga 480
 aagatcaaac aatgtctcat gaacccctg gtactaatgc caccggtggg tgg 533

<210> 2896
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 2896

cagcttggtg caacottata cgcgaaaatg acattttttt ttgccttaat gaacaaacac 60
 ccatggtgac attccatttt catggctgcg tcatgcgggg tggtggaatg ggtgttcttg 120
 ctgggccgcg cgcggtggtt gtggaaacac cgcacctaca tgggcagtta caaatgcgcc 180
 accttggcct ttcggcactg a 201

<210> 2897
 <211> 941
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2897

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 gataantttt ttctataaan cnccgggttg ttgatgtcat cggatagaac ccacttgata 120

nttataaaga ntntcgactt gggatgtaaa aggagtggaa atttagataa tgcgatattt 180
 attttttatg agcgatgtac gagaaataag gatagtgatg tattagaaaa tatttgacag 240
 actgcaataa agttatcaaa gaggactgat aatcttaata agtataatga aatgatatat 300
 tgtagtgaag gagaaacacg tctgaagttt tgtattaaac gtgaacagag aacagcggat 360
 actatcaata aaagaaaact gatttatagt aaagtaagaa gagttacgaa aaagacaata 420
 ctttggttaag tttgatatga aaaagatgaa ttgtgatctg gacaaatgga agaagtattt 480
 aatggtagtt ataactaagg agtatttgaa gctagttcta ttgaaggtgt ataattataa 540
 ttttgttttag gaaggactga cgatatttct tagactaagt gaagaaatta aatttttaat 600
 gcggggagat tgtgaaggga tattaagatg aggataggag atggaaaagg aggtatatag 660
 caaaaggtag tgttatatta aatgtaatta ttttaaagga aattaggga gagaccttta 720
 agtgaaggt aaagagatcg gttattctga aaagcattag atcttattaa agatgtcttt 780
 gatggaatga aaggggttta agtaaagaga tattaaattt aaggtagatg aaaaaattgg 840
 gcatgttggt taagataaat gagaaaggct ttgttgattg gggaggatct ggatgggaat 900
 aaaaggagg ttggcgcggt aaagaaagaa cggtttttgt t 941

<210> 2898
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 2898

agcttgctcag tttattccca aaaacctgcc tagtccaaga atatggcttt caattgaatg 60
 acaatagtct ctaaataaat tcattggcgt atcacttcac tcacttgaat tacaacatga 120
 tagatactta actgataaat catatatatg tgatatgagt aattaattaa aactatatat 180
 atataggaca aagatatatt attgattaaa tttttaaaaa acaaaatatt gttagtgatt 240
 atttttttta atgaatatat gtaacataat tagaattgac agtaaaactgt atggtaaaaa 300
 acacagttat aatattaaga aaaaaattta atcaaatctc ctatttttaa tataactatg 360
 cttattataa taaaacatta aaataccata attggatttg gatgtcctaa aacaactggc 420
 actaatcctt ttttaaaaaa acttataact caaattgata aaagcttatc aat 473

<210> 2899

<211> 1063
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2899

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 catctcacac tccttgagtt tctctctaata cccattaaag agacaggtat atcgccatct 120
 atttcctcct atcacagcac aacgcctatt ttggcgctgg aattgctagt ttgacagcc 180
 tgtcaaattt aaatggaaaa gtcttttggt tactattgat aaatcattta tttttggcga 240
 atggactaaa tacctagttt gttatactat caattattaa atcatctttt tggggaatta 300
 ttttactccc attgntttta aataatatcg aaggattttt tatcttttga ttcaatataa 360
 attttgtttt agaatatatt aagctcctta tatgacgaaa tattccccta ctctgccttt 420
 tctctttaat tcaaacaag ttgtattctc gactatcctt ttcttcaaaa atattttgac 480
 ttttcttaaa attcatttta tttattttct ttattaagaa atcatatcat cttttctttt 540
 taattagtct ttgtaaacta atagaaaaaa ctctttttca gaaacttaca cttctacacc 600
 tccaccagg gaagacaatt tcaactctgtt tactaatgtt cttgtgtgca gaatagttct 660
 cgttactgct aattttataa tccgcacagt aatatgacat ctgctttttc ctatgataag 720
 aaactattct gtgataagac ttcagtcaat tttctttgta ttttatttga aatatctatg 780
 attctacgta ttaatacggg ttgtcttata ataaccttac aacgactcca tctattatcc 840
 aatacaataa gaggggatgc ctatactggg tctttcatga actaattatt tcttttatcg 900
 gagtgctaata taattgctta aatacagttc acaattctgt gtcgaccctg gaattccttc 960
 tccgtacaat aatatactca ctttataact ccatttgtgg gatcttaccg tctatcctta 1020
 gttctctccg tattgtctac aacttcacac gattctgatc acg 1063

<210> 2900
 <211> 190
 <212> DNA
 <213> Glycine max
 <400> 2900

agcttgtagc aaccttagac gcgaatcttc cattctgttc tgcttgaatg aacaaaccca 60
 catagggccca ttccattttc atggctgcgt catgccgggt ggtggaatgt gtgttcctgc 120

tgggctggcc gcggtggctg tggaaacgt tcacctagt gggcagctac gacagcgccc 180
cgttgccctc 190

<210> 2901
<211> 568
<212> DNA
<213> Glycine max

<400> 2901

tatgaaaata agagaaagaa actttcaaaa taaatttgta tattaaacaa attatttttg 60
gtcaccttgt taaataaata tttatttttag tcaaattaat ttataagtta gtcgaataaa 120
cttttataat ctaattaact attagagcaa tttggcaatc atacccatgg ttaaagaagt 180
tatttaacca gtaaaaaaaaa cttttaggaa ttaaatttac ttaaaatatt tataaaacat 240
atatactttt ttagggtaaa cgtatgtact taaaatatat cctttattca attttgtag 300
acattttagt aattttattg tttcatttta attgtgattt tataatattg atgatgtatt 360
aaatattttt ttcttaatat atccattatc ggtcatcatt aagtgagaaa acaaaaaaaaa 420
gtataaataa aagatagtc aattaatata aaagaaaaaa atattataaa aattgcataa 480
taattttaat aaaatctata atataattac atatctaaat ttctgtacca aaatttgtag 540
acaaataaaa tggagggatt ttatatta 568

<210> 2902
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2902

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aagatgatga caaaggtgat gacaaaaagc tcaaagatca atcaaaggac aactcgagtg 120
aatcaaagat taatcaaaga acaactcaat tgaatcaaga agaattcaag agttcaacat 180
aagaatcaag aagaattcaa gaatcaagaa gaaagtttag agtcaagaat caagattcaa 240
ggctcaagat ctcaacaatc aagatcaaga ttcaacactc aagattcaag aatcaagaga 300
aggcttaatc aagataagta tgaaaagttt ttctcaaaaa ttgagtagca catgattttt 360

ctcaaaacat gtttaccaaa gagtttttac tctctagtaa tctattacca gattgttgta 420
 atcgattacc agtagcaaaa ttgttttgaa aaagttttca aattgaattt acaatggttc 480
 catttaattt caaaaagttg taatcgggta caatgtnttg gtaatcgatt atcattgcct 540
 ttgaacgttg aaa 553

<210> 2903
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 2903

tgttttaaag atttaggggt gttaagatct acctctttgt cttgttctaa ttttgactat 60
 tttgatgtca tgtcaattat cagacacagg ttgactttct cttcatcctt tttatctgag 120
 atggagtcac caaagtcttc ctagggtgctc atcaatcatt tcttgctctt tgagttgaat 180
 gattttcttct tgtctttggg cttttccaat tctaggcatt ttgatttgaa gtgtccaaac 240
 attttgtatt catagcagat gactagactc ttctcattgt cccttttttc tttgaaatcg 300
 tcatagttag ggatgttaat ggggaagggc aggggaaaag agtactccct cactccccac 360
 cccctaacta accctctatc ctcgtccccg atccttgctg tgagggattt ttttcccttg 420
 ttcccgtccc cgcggtcct cactaacata atattcaaac tcaaataatc catgtattgt 480
 taaactcaaa taaacaacac atg 503

<210> 2904
 <211> 1080
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2904

accgagagca ctagtgatcc aatactctca gactctcccc ctcancaaac ncgtgcaact 60
 agtgcctatt catcctcact cccagcncnc caggatgaga catggaaaca cttcaaaaaac 120
 cctanaaaat tcgagaggaa accgccgagg ctacccccctc aaagaacaac acataatttt 180
 tctactttta taagaaaaac gggtagatgc gcggagagcg gcgctaacac cgcgcacata 240
 aaaagtagac ggcagacaaa aaacgtccgc agcggacaaa aaagccaacg acgcaggggc 300
 ctatggagaa cgaaacgcgc gcagggtgag gcctggcgag agaataataa acgaggctcg 360

tctgacatct gggagaataa agaacaatgg caaccgcggt acagagtgtg acaaacaaga 420
 acaaagactg ggcaagagga gtagctggac gaaagagagc aagaggggga ctcaacgaag 480
 gagaaagacg cgcacgatag gtggcagggc aaaaagacg ccgccgggag agcacaacga 540
 aaaaaggcag ccaaacaacg agccccaaga tgacaagacc acgcctcgag gcagaaaaga 600
 gagaagagcg acgcaaggca gaatacggcg tacggtggaa cgcccgaaaa acaaacaagg 660
 cgacacaaga cgtgtgcgac agaagaaaca tctactgagc gaacgacgcg gaagaagcgt 720
 gcacagcaag gggcgagtc tggagcagca gcacatcagc gcagaaaata gccttcgact 780
 cgtggaaatc cgcaggactg aaagatgcgg agcgaatgct accggtacac gacgtcggcc 840
 aaagatggaa acaaagaaga gcgataaact gacgggaagg gatatcgga gatacataaa 900
 tcaagtccgc cgacacacca catagaagac ggggaagcac gccggggaaa agacggggga 960
 acgagacaat gaactagcga cacgaaatac gagaagcacg caggcgaaaa aagcaagcag 1020
 atagacgacg aaggacaggc gaaccaacgc actggcacia aagacgagat ggtcatcgcc 1080

<210> 2905
 <211> 175
 <212> DNA
 <213> Glycine max

<400> 2905

agcttgcattg atttacctt ccccttttct caagcaaatt cttcttgata tcatcaaaat 60
 cttcatgatc ccgactcggt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
 gaataaaagt ggagaatgga ggataggcga acgagcgcta ggcaatcaat tcgcg 175

<210> 2906
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 2906

tttcaactca ttctatgtac ccgtgggtgg ccacattttg tttcatgtat ttttattctc 60
 ttgtccattt gctttttata cccctttttg acatgcttaa gccatttatt taagtcattt 120
 ctgcgttaat ctaaaaataa aataaatttc cactgatcgt ttaaattata tcatccgtta 180
 attttgggta aatgaattc cgaccgttcg gtcgttccgt aaccacgttg gaaataaaaa 240

aagaggtaaa ataataatat aataatcaaa aaataccttt tagtaaaata aaagcgaaag 300
atcaatcgga cgatttct 318

<210> 2907
<211> 189
<212> DNA
<213> Glycine max

<400> 2907

agcttaggag cctaaacttg tatcttcaat gcaaggaaac atgcttatgg cttggaatcc 60
aaaatttggg tttaggatta gaaaagcatg aaaatagga cttgtttgta agaatttggg 120
ctgccccatg attggtactt ctgcacctaa gtaacatggg aaatgctttt caatggtgtg 180
tagatatat 189

<210> 2908
<211> 497
<212> DNA
<213> Glycine max

<400> 2908

atttacattt tcaaagatta catattgggg aatctaacaat aacagacaat cgattgtaca 60
aaacaatgat aggagtaaaa tctagtaaca tcataattta aactcactgc gacggataaa 120
tgacaatcac cataactcaag agcctcatgg ataataataa gatctttcct accctaattct 180
aaaaaaatta gacgattaaa caatttatgt ttggtgacta catagtggca ctaatatgta 240
aatgcaaaaa tgctgacctg gccatgttca ttgaaagtat cgagtccaac aattccaagg 300
tccagatctc cagataacaa ttttcttggt atgtatttgg gcctctaaaa ccaaactatg 360
agtttggatt gctgcagtaa tgcaagagaa ttggtttatg gtcagttaga gatatagtag 420
attgatggaa gccaaaggaa aaaatagaac gcacatgagg aagcaactca cttaacttat 480
ttctgctttt tggatca 497

<210> 2909
<211> 342
<212> DNA
<213> Glycine max

<400> 2909

agctttgtat ggtagaaggt gtaggacacc tctatgttgg ctaaagccct gagaagacct 60
caccttagga cttgaagtgg tacaacaaac caccgagaaa gtcaagttga tccaagaaag 120
gatgaggact gctcagagta ggtagaaaag ttatcaggat aagaggagga aagacttggg 180
attcgagggtt ggtgatcatg tattcttgag agtcactctg tggactgggg ttggtcgagc 240
attgaaatcc caaaaactaa cacctcgctt catcggtcct ttccaaattc ttaaaagagt 300
cggtcctgtg gcataccaaa atgcattatc cccatcacat tc 342

<210> 2910
<211> 282
<212> DNA
<213> Glycine max

<400> 2910

gccgcagctt tgcttctaca aacacccgga gtgggtgctc cttaagaat aaggggaacc 60
tataaggggtg gagcattttc gcaaaaaaac gtgaccctga ctggtctgcc tatgatttta 120
cctacggaga gggacccgaa tcggcagagc ggggtctggc ttggcatgta cttctaagcg 180
cccgaagaga atttactg acatggtacc acatggcata tacgacagaa acctagtgtg 240
tatgatgcat accgcttatg caatgatcga tatcgattaa ct 282

<210> 2911
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2911

tgtaaagaa cttagaaaaa atcaagaaca agtgcgttcg cacatcattc gcatgtatga 60
tatccactct acaaggtttg aagtaaagga gaccttcaat cctataacgc aacatggcgg 120
acaaaagtgg acagttaact tgaatgacca ttattgtcaa tgcggaaagt attttgcgct 180
tcactatcca tgttcacaca ttaatatctt ttctttttca gtctttgtaa gttcacacta 240
aaattgaaaa aaaaaaactt agaggtacca aattgaaaaa ttacacactt atatgaacca 300
aaaatgaaca aaaaaaattc catgcataaa acttgaaaaa aaatgcaaac ttatgggaac 360
tgaaaataaa taaaaaactt agagacacta aaattaaaaa aaaatgtgaa cttatgagga 420

caaaaccata tttaggccta tttttcaact gaattacagt ctattaatat tgacaccctt 480
 tgngtttttt tgggttcttg ctacatcaat ctcgttaaaa gaattttaca tcacacttta 540
 acctcaaaac ctttatattc caataatctc cc 572

<210> 2912
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 2912

aaaaatgttc agccctcctg ttaattccag atcacttgaa attagtga aa aaattgtt 60
 tccgtgaaca aaatccaagc cgaggcgtt tcgtaacgtt ttccgtgggt gatttcgcga 120
 agattttcaa ccgttcttcg acgttcttcg ttcgttcttc ggtcttcaac cggttaagttc 180
 ccgaaatcga acttttcaat tcattctatg tacccttagt ggtcctcatt tgctttcacg 240
 tgcttttatt ttcatttcat ttactttccg taccctctt gacgtgcttt agtcatttgc 300
 tttagtcatt ttcttgcta ataaaaaata aaataaattt ccaccgatca tttgaattgt 360
 aacatccgtt aatttctgtt aaaagaaatc ggaccgttca gtcattggccg taccctgttg 420
 gaaacaaaaa agag 434

<210> 2913
 <211> 582
 <212> DNA
 <213> Glycine max
 <400> 2913

ttgttgacaa cactgtggct gcagcattca atgctgacct tgtccaacct ccattaccct 60
 tgctgccc aa attactttga tctctaagta catcatgatg taagctccat tggagcttgt 120
 aggcttagga tcttcttcat caatggattc ctttgcttct tggaagatga atggcagtgg 180
 aacggataaa ggaagagaga gaggagacgc cacttcaaag agaagatgag tttagaaaaa 240
 gccaccacc ataggaggcc atggataaga gctttgagga agaaggagat gaatgaaggg 300
 agagggagag aagagcacga aattttgtgc tctaaatgag ctctgaaatc tgaagttaa 360
 tattcaaatg atcaaagttg aaaaaaatgc acacacatga cctctattta tagcctaagt 420
 gtcacaaaat tggaggga aa ttcaaatttc acttgaattt gaaattgaat ttgtggagcc 480

aaaaattcac ttaatatgat tagtgaaatt taattatggt tcaacccccac taatccaaga 540
tcaattccaa gattctccac taagtgtgct taagtggcat ga 582

<210> 2914
<211> 559
<212> DNA
<213> Glycine max
<400> 2914

agctttgcgg atttggcttt caccggcaaa aggatcgaag tgggtctgaa aagaggcaaa 60
tttgggtcatc ctgctttgat gaaaactggg gcaagtgaag aggggtgagaa tgaggagaa 120
acctatgcag tgactgccat tcctatatgg ccaagtttcc caccaacca acaatgcat 180
tactcagcca ataacaacc atctccttac ccaccacca attatccaca aagttcatcc 240
ctaaatcaaa ccacaaaacc cacctaccac acgaccaatg ctaaacacca ctttttagcac 300
gaaccgaagc accaaccaaa agggaatddd gcagcaaaaa gcctgtagaa ttcaccccaa 360
attccggtgt catatgctaa acttcctctc atatctactc gataattcaa tggtagccat 420
aaccctgct aggtttcttc aacctccatt tttccgagga tacgacttga atgcaacatg 480
tgcatatcat ggaggagccc tggggcattc cattgagtgt tgtatgaccc taaagcataa 540
ggtgcaaagt ctaaattgat 559

<210> 2915
<211> 539
<212> DNA
<213> Glycine max
<400> 2915

tgctatgtac ccctacgcca aactagtatc atagaagaaa tatgatattg gagaagagcg 60
gcgtaaaacc ggtaaaaaat aagtcaacaa ggtattgcat gcgaacttta tcatagaggt 120
ccgattctct acttggcttg ccaacatcat cataatcaaa aaggccaacg cctaattggca 180
aatattcatc gactacactg atttgaatag ggcattgcct aaagacgcat accctttgcc 240
caacattcat agactagtcg atgggacatc cgagttccag gagcttagct tcctagatgc 300
ttactatgga tacaaccaat tcaaaatgca tgctctaaac aaggagaaaa tgacattcat 360
cactaaagat gccaaacttta actgccagga caagccaact ttagtggagt tgggtatggt 420

aaagtaagtt aatgacaaaa aactccctta ctgagcatca tcccatgagg gaacatgttt 480
cctcaccaac ccaatgagtg gtgctacaag tatatacaaa tatgggacaa aacttttgt 539

<210> 2916
<211> 314
<212> DNA
<213> Glycine max

<400> 2916

gcatgcaagc ttgtaatcga ttacacaaat cttgtactct attaccagag gagaatttca 60
gaaaataatt tccaagagtc acatctgttg ccatcaaagg tctatttata tgtgacatag 120
aacacgaatt tgcgaagagt ttttgagaac acaaaggtct tctctctcc aaaaaagaaa 180
aattatctta tctctttaa aattccttgg ccaataacct tgcaattcaa taaggaatta 240
ttttgagtg cccattgttc aatctatctc tttcaagaga gaattcctct tctcttcac 300
ctatttccaa aaag 314

<210> 2917
<211> 318
<212> DNA
<213> Glycine max

<400> 2917

gacctataa tatacatcac cctatcgtgc cgcagacac ggcccatttt cagaccggct 60
tattttttac tgaggatcac tatgctctgg accttgactt agataaacct ctacttaagc 120
gatagcagtg gactagaacc catgtttaac tcttggttg catactttaa catgattaat 180
aactccgacg tctatgatgg gtggccatag atgaatgcat aaccatatgc ataagaca 240
taagcatatt atggataacg tagcccaaaa aatcgatgac attgtatatt caaccgatta 300
cgggaggaca tagctgga 318

<210> 2918
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2918

cagcttttgt ctcaaaacac attgttttca acattcaaga ctctgggaat caattaccaa 60

[illegible]

acggatttgg	tcttcaccgg	tgaaggatc	atagtgggtt	tggaaagg	taaattctgac	60
catcttgctt	tgataaatgc	aaaaaaaaa	ctggggcaaa	tgaagagggt	gagaatgaag	120
gagaaaccca	tgctgcaact	gccattccta	tacgaccaag	tttcccactg	accaacaac	180
ccttctcctt	accaccacc	cagttatcca	caaaggtc	acctaaatca	accacaaaac	240
ccacctacca	cacaaccaac	acgaacacca	cctttagccc	aaaccaaaaac	accaaccaaa	300
aatgaatttt	gcagcgaaaa	agcctgtaga	attcacccca	attttggtgt	cctatgctga	360
cttgctccca	tatctacttg	ataattcaat	ggtagccata	accccaacca	aggttctcaa	420
cctccatttt	tctgaggata	ccgactcaaa	tgcaacatgt	gcttatcatg	gaggagcccc	480
ggggcattcc	attgagcatt	gtaaggccct	gaatcataaa	gtgcaaggtc	taattgaagc	540
cggctggcta	gaatttgagg	agaat				565

gcttacatgt tccttatatg gtgctcactg atcaagtccg ttagcaaaaa atttaaakat 60

gttttaacac aaaacgaaaa ctgaaaataa agaaataaaa acaaataaga atcttttaat 120
 taagaaaaat cagttagcat taaaaaactt ttttaaattt gcaacgttta taaatctggt 180
 gcttaatgat tttgaaaata taaaaggaaa cttaaagcc gctaataatta cctagcttat 240
 cctaatttta ggctgaaaaa ttaaaatgtc aaaaatacc c tattgttttc aaattaaatg 300
 ccattaacat tacgtttgta aattaatttt tatttccaat tgttttcaaa ttaaagcca 360
 ttaacattac gttttcaaat taatttttat ttccaatcaa ttaaagccta tt 412

<210> 2921
 <211> 584
 <212> DNA
 <213> Glycine max

<400> 2921

tgtttttgga caatagcacc ccacctgacg tccccaaagg ctctgaccc ccgcaacata 60
 tctccaggta ccactctgtg atcaacgaat aaaagtagga agactgactc ttccacactt 120
 tctcacttca agcttgtagg attatggggg acccatcata tgtggtacta ggggggaatc 180
 aggcgatggt gcaagtcgac tctccacatc cacaatcac acataaatcc accatcccca 240
 gttgtccacc ttcaactgag ctacgtgct cccacgtagc cttatcctc gttcctctca 300
 acaccgggtc cccatcaatc cctccaagct ttcacaacat ccaagaaatt cagcatccaa 360
 acatcatgaa ctatccaaaa ccaagaaaac agggcatagg cagaaaactc tttccaaaac 420
 acattccaat accacagttt tctcactca aatacccag taacattctc tttgtttcga 480
 ttcgtaacc gttggatcaa ctcaaaattt ttactggagg tccctaatac atatatctac 540
 agtttgaccc gtgggatctt cagaaaactt tcataaccca atat 584

<210> 2922
 <211> 917
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2922

agtccgccag aacgatattc accgacattc atatctctct gcttttagat tatatgtata 60
 atatctactn ccacaaggca cgaatgatgc atccctgcga aaccaaaaaa aaagaaccta 120

agctccaaac	tctgaactct	atacacgggg	ggagtattac	atacatgtgc	atctaataka	180
caccggaact	ggcattaaaa	tggctagcgg	gggggtcaaaa	ctatgggaga	tacgggagaa	240
cgttgaagat	accacaagac	ttcaagaata	ttccccaccc	cgaacttctc	gggcgatgtt	300
ctaaatttct	tactggcgag	gaaaaaagta	ctgccaatca	aacacaatag	ggtggaaaaa	360
gagaacaaca	gtaggagacc	tcttatgaag	acaacttaag	ttaaatccgg	agggcaaaac	420
cccttgtttc	aactagaaaa	ccccctccct	aaaaaaggag	gggatcattc	gggacgaaaa	480
aactcgatag	tgctggcgga	ttgacctgaa	ttctacttat	gaaacgcatg	aattattggc	540
atccacaaaa	ccatcgagaa	ccaaggcttt	gcatccacaa	tgagcccaca	attgaaaata	600
tactctcatt	tccgaaaaca	aaatacaggg	aagaataaat	gtccatatgt	agacactacg	660
ttaagttatt	gcatacatcc	ccaacgttag	gggaaaaaatg	agccctttaa	atatactctc	720
tccaaaccgt	gaaaaaatta	gttgttgtgc	catattcgac	acaaaaatga	ggaaccccca	780
gaacgctatc	atgtgggagg	aaagatttga	cattacaact	tgctcgggat	gacaacaccc	840
ctatacttcc	tctatggaga	agaaaagatg	atcttctact	ttagaaatca	tcttctggaa	900
gcgaaaattg	taaaaaaa					917

<210>	2923
<211>	511
<212>	DNA
<213>	Glycine max

<400> 2923

ctgagccaaa	atcctgactc	accataaacc	ttgacccagg	gtgagaatgt	caattcttac	60
cctcgggaagc	aaaaaaaaag	gggagagggga	aaatttccca	tccaagagga	agccaaaaag	120
gagagaagga	aaatttccaa	tccaaggaaa	aaaagagagg	aaaggggaatt	cccaatcaaa	180
gagtgggaga	aagcaaaaag	aaaagaaaga	aaattcccaa	tccaagaatg	ggagaaagaa	240
aaaagagaag	aagaaagggga	agaaagttcc	cgatcaaaaa	aaaataatat	gcacaaaggt	300
ctttggaccg	gacaatatct	gaacaataca	gaattgtcac	caaatgaata	aaaagaagga	360
aagggaaacca	tgacctaaaa	tggtcttccc	cctttagtgtg	ccaggcaaaa	tcttgtgcgc	420
tagcaacctt	ttttcgcccc	gcactaaacc	agaacagaaa	agggaaaagc	cagaaaaatc	480
aaaagccaaa	acacccaaag	cccgaaaaaa	a			511

<210> 2924
 <211> 581
 <212> DNA
 <213> Glycine max

<400> 2924

taaagatcca acctccatag aagcttctca accaagcttc cattagtgtg tctgcttcgt 60
 aaaggattct gacagctact cgtttattta acgccttctc aaaattccta gtattcaata 120
 tgaaggcacc tatactatga agaagatgac tgaataccag atgttagctc atttgactca 180
 actccatgaa actcatcaaa ataagaaggc taaagaggaa aaagttggtg ttgttggtgaa 240
 agaagatgct gctccatcc aagctgaagc atctgctaaa gctatagatg acaccattgt 300
 atgtgggata atcattgatc ttaccaacac tgggtgcatg gataaaactt ctgaggcatc 360
 taatgcagcc atagctgatg aagttgacca taatgcttta gaacctgggc caagcagtct 420
 acaacttcaa atgatgctac taataaaggc aaacatggct catctactgc aaatttttaa 480
 gaagggata tttttcattg gcatttgtct atatctcaat gcttaacatg gactcatttt 540
 ctttaagagt ttcacaagct ttaaagtgtt gagcggactc g 581

<210> 2925
 <211> 542
 <212> DNA
 <213> Glycine max

<400> 2925

taggctaaat taggccgaac tttcataatc tatttaagct aagtctagtc caacaagagg 60
 gatctaagga tgaaacttag ttttaagttag tctaaaccta agagggttgt ctaaattgag 120
 cccagtccaa caagagggat ctgaggatga agcttggtt gattcagtcc aactaatgat 180
 cgatgttttag taatttaggc tacaacatat aacacagaag catgattgat tagaataaca 240
 cccttatatg catcagctgg tctgttagaa agaccaaca cttctaccta ctgctgttat 300
 cataccctaa tttcgtccgg ggaccatttg tttggtggca tgcaaccttc gcttgactgc 360
 ttcggggtac ttaacaccca tcgttaggca atccgtgaag ttctgcgaca tgcacgaagt 420
 cgaaaggaag cattcttgcg caatccctaa agttcagtaa cattccagaa gtcaaaaagg 480
 ggatgggtgc gtgatccgta aagtttcgcg acatttacgg aagaaaacaa gtatcgttat 540

<210> 2926
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 2926

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 tttggttaga atcccttgtc gcattccata aaatctcttc tgtagctttg tcaattctgc 120
 attgatcctt tctagtgcc taaataatta tatatatata tcagcgaaat ggcattaaat 180
 aaaaaaaagt tatagtttag ttttttttat ggcgtgggaa ctttctttca tttaacagtt 240
 tgggagttcg taacttttct aatattagtt gcagatagaa attataaaaa aaaaaaaact 300
 taaaaaatga taaagcactg agtatgtatt tggaaattga aaatttttca ttattcaagg 360
 tcagcccaaa aagtataaga taatataagt tgatcatttt aggtttttat gtttattata 420
 aatataattct aaaagcaaaa actcagtaat tatttaatca ataataattaa tttattaagc 480
 ttacataaat atatttatct ttgagaaaat ctttcatctt attatgagat tttcttcttt 540
 tcataaacat atgtaggga t 561

<210> 2927
 <211> 820
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2927

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 gttgctctga acactctccg caggctgatg gtgatagagg cttttttatc taacccttat 120
 cttcacttga aaaatggcta accgtgggtt tattagcggg ggttgatagg ctgtactttg 180
 agttttccaa aatctccatg aaatattgcc aaccgcgtct tatgtggatg ttctcatttt 240
 ttattttgcg atgaaaaatt cgccccacag tctctaattg ggtataaggt gaagcaactt 300
 tgagcaactt ttgagctgga atgcgcattt tatactgagg tatactgac ctttttttna 360
 agaaaatgcc tgccaacatt agaggtgggt tttggacttt aaagaggctt ttgagctggt 420
 attaccgtct tttgtgtttt tttaaagctt agatatgcac atacctattc caggagaggt 480

tgtgatgtat acaaattgag cgccctacaa ataatttttt ctttctgaca tctgagcttg 540
 gtcgccaaac ttcccttggc gagccatatt gttgggttga ccttaaccgc cccgtgtgtg 600
 tttgggggtt tatgaccccc ccgcccccca cattttggcc tcccggccga ccaatcctta 660
 actggtcccg cccgccccac cttatcgctg tcctctacca tgtgagacca gacgtccctt 720
 tataggcccc ctcaaaaaaa acgccccctt ccccatntgt ctcaacatcg cggggcgtca 780
 ttcccaaata tcccctctcc cccggtatcc gccacactc 820

<210> 2928
 <211> 514
 <212> DNA
 <213> Glycine max

<400> 2928

aaactcagct tcttatccag gctcatcttg gtggtgaagc tccttcttcc atggttatt 60
 ccctagagga tggcgcttcc tctcacctct tctccttgt cttccactgc atctccatga 120
 tggaaaatca ccattaaagg acctcattga agcttaaaga tccagcctcc atagaagccc 180
 cacaatcaag atcccatcag tgaccttgac tggctctcct atgatattac ctagtgcgag 240
 tgacttgact tgctagtgtg tggtttgtct tgtcatgtac tcctaagcgc ccgacgaggt 300
 ttttactga catggtgcca cattgcatat aggattgagt cttagtgtat ttgttgcata 360
 acgcttgtgt attggtctat attgatttat ctgatgatat tgtgttttga ctattgagta 420
 tgcgaaatgt ctgaaaacaa atgagactat ggtgaaataa cgtgagttac gctcaagtaa 480
 attgtatttt ggtatataat aattatactt atat 514

<210> 2929
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 2929

tcgccctacg cctccgaatt tatgtcctct tgaacgaacc ccttaaagtc aaaggcaacc 60
 atctctgtcc ccatccattc atttctgccg ccgaacaggt gatctggatc ttgacctcct 120
 tcccctgcat aaaaaggtta cagtaaataa acaaagcacc attgtaacat aaatatgaag 180
 cctgacaaat tcacctgtgc agcttaactt tatatgatga tggaagtttg tctgaaaaac 240

ataaatctta atcttgaaaa actctggcaa caaacctgga agaatcaaga gaagtatatg 300
gagaatgcct gcgctgagaa tgcttgctat gaggagaccg caaaagtgtg ctaaaaatga 360
aaccaccgta ctgacttggt gagttttaaag tatacaaaag ttcataaata caactcaacc 420
tggtacagtg tcaacactcc attggaagaa gccctattac atacatccta tctgtttcta 480
atgagtatga tca 493

<210> 2930
<211> 550
<212> DNA
<213> Glycine max

<400> 2930

tctagccaaa tggacttacc atgaattaat tcatttgata gccccttga gcctatgttc 60
ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga tatcacctta 120
cccttaagga ataatggagc tttgaaattg ttttggaat aagtgtgtgt gtggtggggg 180
gggctatgtt tcattggaag atatgatttt tggccatgct taatgtttta ttttgccat 240
gcttgatgaa tataatatatt gcctaggtct tgctttaatc ttcaatttcg tactgttcaa 300
tctaaaaaaaa acaagtgaag aaaaattcag tttctgcaaa ttcttcaatt tcgtactgtt 360
caatataaaa agaagaagaa aagaagtga gttgaataaa tgacgtcttg ttatgaggac 420
tcgatttgtg agccctgggt gattttgttg atattaaaag ggtttgggtt tactaacttg 480
tcttaatttc cacttattcc ccattggctgc actatttctt tgggattagc tacttatttc 540
atatttttcc 550

<210> 2931
<211> 491
<212> DNA
<213> Glycine max

<400> 2931

ttgatgatat ggtcttcacc gacgaaagga tcaaagtggg tctaaaaaga ggaaaatttg 60
atcatcatgc tatgataaat gccaaaaaaaa aaactggggc caatgaaaaa ggtgagaatg 120
agggagaagc ccattgctgtg actgccattt ctatacaacc aagttttcca ccaacccaac 180
aatgtcatta ctacagcaat aacaaacctt ctctttttcc aocgcccaat tattcacaaa 240

ggccattcct aaatcaacga caaagtctgt ctaccgcact ttcaatgacg aacaccacct 300
 ttagcacaaa ccaaaaacac caaccaagaa atgaattttg cagcgagaaa gcctgtagaa 360
 ttcaccccaa ttccagtgtc ctatgctgac tttctcccat atctacttga taattcaatg 420
 gtagccataa ccccgaccaa ggttcatcaa cctccatttc tctgagaata ctactcgaac 480
 gcaacgtgtg c 491

<210> 2932
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 2932

tgcctgtccg atgcagcagt aatgatggcc cgagttatgt tggggaacgg ttacgaaccc 60
 ggaatggggt taggcaaaga caacagtggc ataactagcc tgataaatgc caaaagaaat 120
 cgtggaagga tgggttaggc tattaacca ctcacgcca tataaagaga agcatcgca 180
 gaacgaagag tggcagtcaa agctcgcggt tgagacaaca tagtgaagga agcccacct 240
 gccacataag taggagcttt ataagcgccg gtctggggga cgaagttgaa gtggtcgca 300
 tatacgaaga tgatgctccg agtacattgg atttggtacg accatgccct cttgatttcc 360
 aattgggaaa atggcgagag gaggaacgcc ccggctttta cgcaacgagc ataatgtaaa 420

<210> 2933
 <211> 572
 <212> DNA
 <213> Glycine max
 <400> 2933

taatggtatt atgagaaaag catctatgaa aaatattttc tctatgtatc tagtgggtaa 60
 agaaaaagtg aaattcaaca tcatacatca tgcataaat acattattta taggggagac 120
 gtctttgagg aagtgtgttg actatcaa atgcattatgtg tcatttcgag gtggcatcta 180
 atctaatagt aagttttctc aaaagtagct ttggaatttt tggagggtgga ggggaagtgtc 240
 gtggaaatag atgttgattt tttgaattgg aaaattta atctatctttgc cttttgtgta 300
 cttaggtatc ctaattgggg ctaaccttac gaggagggaa catgtatgaa gccactata 360
 gataaattct aaaaacaatt atagaagcat agatgggttat ctttggtcgg gaggggtatgc 420

tttattaaca ttaatttata aactttatgt aacactttga caaaaactac aactttgact 480
gatagaggaa acattgtggt tgatcatctg tgcataaatg tgtgttggtg gtgtgccgcg 540
ctaatttttag ttaaacttgg tatagaaata ta 572

<210> 2934
<211> 383
<212> DNA
<213> Glycine max

<400> 2934

tatatggcct aggatgtggg tttgtgacta aattcaattt aaacacaagt ctgacacttg 60
ccacattggt acaactccct ccatcaatga tcaccatgca aactttgcca ttgatcaaac 120
atctaattgt gaaaaagttt tgtctttaac ttttctccat agacttcaat taatgggcaa 180
gtaaccgtct aatcatcaac aaatctccct ccgggtggtt ctacacttcc tctcatcat 240
cctcactctc ttttctctt tcaacttccg actcactaat gtactctcca tctctaagaa 300
tcatggcttt cttgttaggg cactcatgtg cataatgtcc caagccttgg caccgaaagc 360
acttcacata ccaacttttt ttt 383

<210> 2935
<211> 464
<212> DNA
<213> Glycine max

<400> 2935

ccatgatgaa tcaagattga ttcacagagt tttgatgata acaaagataa tgacaaaaag 60
ctcaaaagtc aataaacatt catgataaca aagatgatga tctcaagaat caaagaatga 120
gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aatttgattt caagaatcaa 180
gaatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctaaagattc 240
tagaatcaag aaaagactca atcaagataa gtattaaaaa gttttttcaa aaactgagta 300
gcacatgatt ttttctcaaa aaccatagag tttttactct ctagtaatcg attaccagat 360
tggtgtaatc gattaccagt agcaaaaagg ttttcaaaaa tccttcaact gaatttacia 420
cgtttcaatt gatttcaaaa tggtgtaatc gattacaatg attt 464

<210> 2936
 <211> 584
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2936

tgctaatta acctaaaatt gagagaaaat gattattaaa cacacaaaat ggatgtacta 60
 agtattttatt acctatactt aacagaaaat acttataaca ctacaaaata accataaatt 120
 ggaggagttt gatacaattt acacaagttt atacacaaaa gttagtcgta ttgaccgagt 180
 aacagtgctg tagctacgct tagtggttaag tgcgagttga gtccataagt tccgcttagc 240
 gcgattgctc ctttaggcac ttcaagactt tagcctcttt tgatttgaaa ttttacagat 300
 tttatcatta attccaatta aagagactcc aatgacaggt atctagacat atcaagattt 360
 atttacaatt tcctacaaaa gaactataaa ttggggaaac tatacatgtt ttgaaaaagt 420
 ttttttatac aaaaattagt cgtataagac gactaacaga gcttccttgc catgaaaggc 480
 taaaaccctc agttggggat tcttattgag tagttgatgt aaaattcttt tcatatctaa 540
 ttaaggggnt gttagtgtgt tcaactggctc tatctatgct taat 584

<210> 2937
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2937

gctttatact ttgatgtata tgattgaaat ttaaaataaa tcttgttatc acaaagatga 60
 tttatttcaa atgtcattta accaaacatg tattcttgtt atgaaaatct tcttaagtat 120
 gcattttgat gaaagtcatt atgatgctta gaatgttctg atgcaaagt gtatatatg 180
 acaacaaata acacaattta aagaggaaag aaaaaagga ttcaacacaa ggatttttat 240
 attgacaaca aagtcattat attgattctt cacccttcaa gatgagattt tccactaaca 300
 caaccaacaa tatgttggac cagccaacta ttgttcttac aactaccaac acccttgttg 360
 aactttcctt gccaaccatg gactntacac atctctcac cacaacacca caattgggtct 420
 tagcttggag atcacccact caaccatgac actcacttag tcatgggaga gacaaaccaa 480
 gtattcttca 490

<210> 2938
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 2938

ttaggagaaa ccattaaaac taaggtagtt cctaaacaaa aatcaattga ggaagcttcg 60
 ccgagtgtcc ccattgaaaa acctttattc aaacctttca aagttagtga taaggctaaa 120
 cgaaaaatta gggaacttag aaaaactaaa tccttaattg aaggcgtagg tgacaatcat 180
 agcgaattac taaacaagat tagtagtttg cttaagggtca ttccagatac tccccaagct 240
 tcggaaaata cttccaaaat ggtaacaaga agtacctcca aattaattaa tgttattaat 300
 gaagatagtg accaaaactt agataacaca actgagatag gatcagtgtc agaaaagaat 360
 ataaatccat taaactccaa acactggaaa acccctcca aattatatta tcaacgtcca 420
 actgcccctg accttctatt agaagaaaga ggtgaaaaca actttaaaag ttttagtgca 480
 aataacatct atgaatggaa catagatgca caaacggagt ataacatcat gaatacactc 540
 caacatatga ccatg 555

<210> 2939
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 2939

tagacaatta catatcctcc ttctttgata cagataattc aaaatacttt gtttcatggt 60
 ctgccaatg aagaccctta tgctcactta gctacctata tagagatatg caatactatt 120
 aagttggcgg gtgtgcctac tgatgcaatc cagttgagtc tgttctcatt ttctttatat 180
 ggagaagcta agagatggct tgattctttt aaaggaaaca gtctgaagtc atgggatgaa 240
 gtggtagaaa agttcttaaa gaagtacttc cctgaattga agactgcaga aggcaaagtt 300
 gccatctctt ccttccacca gtttctagat gaatcgttga gtgaggcact catgggtttt 360
 cagaaccaat acagctcaac atattcatag atggggttag accacaatct aagcagctct 420
 tggatgcttc agctgggg 438

<210> 2940
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 2940

tttagccaat tcagacaaca ataacttttt actcggatgt cttattgagt cccggaatat 60
 atcgagacgc tcgaaattga atgttgaacc tctgagctaa ctcaaacgac aataactttt 120
 tactcggatg tctgaatgag tcccgtgata tatcgagacg ctcgaaattg aatgttgaaa 180
 ctctgagcca attcaaacga caataaattt ttaatcggat gtgtgattga gtcccgaat 240
 atatagagac gcctcgaaat gaatgtggaa cctctgagcc cattcaaccg ccattacctt 300
 ttactttgaa gggtggatgg ggcccc 326

<210> 2941
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 2941

ctctgaagtt ttatggtttt ccaaacccttg aaaacttgtg ttattcatct tttcattctc 60
 ttctccctct gccaaaaaga attcaccaag gactaactgc ctgaattctt tttgtgtctc 120
 tcttctccct tatccaaaag aacgaaggac taaccgccag aattcttttg tgtttccctt 180
 ctctcttgtc aaagaatata aaacgacaca gtctgagaat tcttttgatt cttccctttc 240
 cctaatacaa aagtgttcaa aggactaacc gcttgagaat tcttttgcat ccccatcac 300
 aaagtatcaa aggtttaaca gcctcagatc tttgtcttaa cacattggag ggtacatcct 360
 ttgtggtaca agtaaagggg acatctactt gggtttgact gagaacaagg g 411

<210> 2942
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 2942

tcccctgcac caaatggctt tttctataaa tagccatgtt gagggcaggg tttaggggct 60
 ggtaattgaa ggaatataag gaaaaatgca agaagaaagg gaagaaaaaa aaaacaaagt 120
 cgagacacca ccgaatcgaa ccgtggatca ttttctacat cctttctctg gctagtcttg 180

taccctgtgc gacagtcggt tagtttttct taagattttg atgtaattta tgtaccctta 240
 tgggtcctct atgatattat gtgcgcattt atcttctcta attattcgta aggcttaatt 300
 ctagtagatc actaatgtca tgaaaattgg ttttttttagt gagactagaa ggtgataaac 360
 acaacaaaaa tgagaacaaa aatccattca caacttaact tctttttatc aaatattacc 420
 t 421

<210> 2943
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 2943

tggttactct acttctccat tcagtttgca ccttctcata ttgtgaaagc ttgcctaaaa 60
 tttcttcttt ttcattcctt gatacatctg ctctgtgatc tgcttctctg taatagcaat 120
 aaccattcaa tctacagctt actaaatcac gaatgccaaag aagttgattt cttatcctta 180
 ttagaccaac atacttgagc aaaaatttcg ggaacaatgt gagataagat caaatgaata 240
 aagattttga gtaatgaaat tttttctttt aacttttttg cattccaaaa attctccaag 300
 ttatcaaatt aactgttttc ctaaaagcta cttctgcaac accactaagg gattaattct 360
 acctagtttc tacattgtac caacgacatt ttgccacaca agttgatgac actaatagag 420
 ttagccgtca ttgaaatatt ttactaatct aacaacttag atgactaatt aggaataaat 480
 attaatgaaa ctacaaattt gaaaact 507

<210> 2944
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 2944

ttggagtttc caagtgccaa atcgtcttct tcttttgctc agtcttcttc tggcttcaat 60
 tcattagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccataccttgc tttccagtat 180
 tcatagctgg ttccatccac aatgggtggt ctgttcactg gtccttcttc tttctccatg 240
 ttcatcaciaa tttatctccc tagatctcac tcagtgaatt agagtgcccg ctctgatacc 300

aattgaaatt ctgatactga ggccagatgt cgtaccggat gtcacgacat cacgcttcag 360
aacatgcaga ttatatttga ctgtctgaca gattaaacaa gttaataa 408

<210> 2945
<211> 635
<212> DNA
<213> Glycine max

<400> 2945

cgcccgaata tacgatgcat cacactcaat agccgatgag ttgctattat caacgggtcc 60
atgcaagcat gtatacgtaa cccgtacaat tataaagagg tccatgccat tcatgttcat 120
tactaacgag tcataacata gattcactgg ttaaaggaag gaggggaaag gaaagatcat 180
gcgattgaat cattccacta acaaaaacta acaactaaa acaactaata tttgtccata 240
aaaaaaatca tattcattac tattatgcct tctaattctt cctgtgtaac ttggtcttaa 300
ttattatgaa agatatctga tacatgtaca aggttggtgt tttcttttgt tacaatccat 360
cattgttacg gttatgccga tgaacactgc cctgaacctt actgctgagt gttagaattc 420
ttggctcttg ccaaaaagaa tcacttatag ctctagtatc aactatgtaa tccccacatt 480
gcataattat gagagatatc ataatttctt tgcttaattg aagccaaaga tcaacgttat 540
taatatggaa gcatgacatc atttattttc taaaaaatag gtacaggtag gatttgtttt 600
caaaaatcct tttttataaa aacaaaatga caaaa 635

<210> 2946
<211> 381
<212> DNA
<213> Glycine max

<400> 2946

tagatgcagt tttctaggtg ttttgggtgt tattctccaa tcataatttg tgttttacct 60
agtaatgcat gtagtaaagt atgtattata gattagtata agctattcga ggtgaaactc 120
caattttgat tatctgtatt taagcttaat ccaagttgaa aatgggtaag gacattgaaa 180
tgttacaaaa atgcttctta ctaaaatata aataaaactt tcatgatatc actaaaaata 240
acctaaactt tgaacaaaaa agttgagata gaaattagac cagattctca taccggctc 300
aatccttct cagtatcaac aaccatattg tgagttctgg ttatctgctc accctgctgg 360

tgcaacatgt caaggggcct t

381

<210> 2947

<211> 548

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2947

ttacagcaga ttntagtaat gaccactaa cctagaatta aaataactta atgccattaa 60

cctaggggaat taaaaaaact taatggctag tgtaactgaa attgtggcaa ccaaaagtca 120

cccccaacag ccaacaagtc agccaccatt tggctctcca aaaggctgat gcctaggttg 180

cgaattgggc ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa 240

cccaaaacat atttttggtc agccaacttt acaaggattg ggccattatt tagacaaact 300

aaacactcta aaattgaaac aaagtgggtg catttagtcc tcctccattt gggccatgat 360

acaactcaca accttggact ttttctcttg aaacttgggc ttgtattcaa acagtatgga 420

caacacttgt tgaagagctt ccttgnctt tcttgcctca gccctcgtca taagtcctcc 480

aagtccttca agtggatcct ttgccttgc cttgggtcatg tcctcatcat tccgtaaaaa 540

aatattat 548

<210> 2948

<211> 393

<212> DNA

<213> Glycine max

<400> 2948

ttctccgtga ggtacgtacg tcaaaattcg tgtatgctaa gatttggttg gagtgggttg 60

accggaattg ggagtggcat cggataataa aaaaaagggtt tttgtttgcc aatgtacagg 120

ctccgctgac gtgcgtgtgc tgctgggggc tcttcatcaa ggtaacacta acttctatac 180

ttcatttgac ctatttttatt ttttttgggt agcaataagt aatgttgctt gatttttagta 240

aggtgttatt ctgtttgcac tataacagag aatcaaccat gatttctgta gatggatcca 300

caggggttcgt gaaaatgcct gcaaagtctt taacatttta ctgtccaaca gaggggggctt 360

cactattggg tgtttaacat aattttttgc ttc 393

<210> 2949
 <211> 622
 <212> DNA
 <213> Glycine max

<400> 2949

ttacctat ttt tgtaggcttt tgtggataag taatattatt gtattcctga caaattat ttt 60
 ttacaacttc aaactgtaat tttgcacatc taaataaatc agattaatta actctgtaca 120
 ttccttagtt gtattacggc tatataagtt ttaatttaac taggtgtttg ataccaaag 180
 ccaccttttt atggtaacat gctaaccac cagttccata aagaaacccc aagtactgac 240
 tcaaaatgga aagtattaaa aaacttaaaa tgggcattct gggaacgatg caaaggtaag 300
 agctgtcagg gacttaagaa ttatagctca attcttgaat tcttggttag attatcttca 360
 tgtcctatta tgggtgtcaa gttttgacgc agatctttcc cgtgacacaa tcacactttc 420
 aatttctgcc tattctttct ggactggcaa caacgatata aagctgcttc tttttatttt 480
 cggagatttt taatattcga agccggtaaa ctcaaattct tcaacttatc taactagatc 540
 aacttatagt ggtatagggt acatttccta ttacaattat ggacaatttt gtacccaa 600
 tattgggtta gaattatttt tt 622

<210> 2950
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 2950

tgtctcagcg tttatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag 60
 aagagttagg tctagccacc gccacgagc atagaatcgc ggatgagtat gcccaagtgt 120
 atgcggaaaa agaggctaga cgaagggtga tccactcttt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgctctt accttgaacg ggagtcaaga actttcccgga ttgtagcca 240
 aggccaaaga gatggcagac acctactccg cccccgaaga gattcatggg cttctcggt 300
 attgtcagca tatgatagac ttaatggccc acataattag aaatcggttag gaaacttgta 360
 tggctctca gacctgact agatacgact tcctttttga aataaaatga agtgggtcca 420
 tgttttactc caaaaaaact tgtgccaatc aaatcactcc tacatttcat ctctagcatg 480

catttttttt tctttaccac tcttcacgtt tggttttta

519

<210> 2951
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2951

tgattntgtg agttgatttt aaccttagtt tctattttatt tattagtcaa ttcaattgag 60
aaagaaaaat cccacagaga aacgtccgat tgatttttttt gttttatttt actaaaagat 120
atttttgatt attatattat tattttacct cttttttggg ttccaacgtg gttacggcat 180
gaccgaacgg tcggatttca ttttaacaga aattaacaaa tgttacaatt caaatgatcg 240
gtggaaaatt atttttatttt ttgatttaggc gagaaaatga cttaaataaa tgactaaagc 300
acgtcaaaag ggggtacaga aattaaatga aatgaaaata aaagtacgcg aaacaagtgg 360
ggaccaccaa ggggtacatag aatgaattga gaagttcaat ttcgggaaat ttaccacttt 420
gaagaccgga agaacgacga ataacgaatg atagactgtg gaaaatcttc acgacatcaa 480
ccacggaaat gtttctgacg cgttacggaa gc 512

<210> 2952
<211> 573
<212> DNA
<213> Glycine max
<400> 2952

tctttgagaa aacttccttg agaagctaga gcttagctac acacaccctt ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctta agaagctaga gcttaactac 120
acatacctct ataatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagctaag ctcccccca tgacaaaaaa catgaaaata acaaaaaaaaa 240
gtccttatta caaagacaac tcaaaatgcc ccgaaatata aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gcctagacga aggaataacc tattctaata ttacaaaga 360
taagcgggct catacttagc ccatgggctc gaaatctacc ctaaggctca tgagaaccct 420
aggcctctt cttggatctc tagcccaatc tacttgaggt cttttagcca atgcccttgc 480
ggggtaggat tgcgtcaacc ctcacgactt tatctgcgta gggacattgt gtatcatgcc 540

gccaacatga tacaccttta ctaaggccac caa

573

<210> 2953
<211> 555
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2953

tatcaaaacc cagggcaaac atgtccccga tccaaggctc aacataacca aggttcacgc 60
ttagtgagcc ctcccttatag ttaaagttct atctcccat gaactaaagg tacacaaggt 120
ctgccaatga tgatattttc tattcctaata ttttatctgt gtaggaatac aagcctgtca 180
aaaacccaag gtccaccatt ggtacgcact cctacaaaac ccaaggcttc tcttttgtcc 240
actcactcgc agcaactacg atgaccatcg tcaacgggcc aagttcaaca aaacagacta 300
ccacagtact atttggaag accttcaatc aagtggaggt catgccaaact ccttataacc 360
atcaaaggag aagcttcacg ggtcanaatg acccatcacc aaattgagtg gcaagacctc 420
caattagatg cagcttgtag atactcntca taaccatcaa aggaggaact caacacgtca 480
agcgacctac cccaagactg gttgacaaaa cctttaatca aaggcaagtc acacatactc 540
ctataagcat caggg 555

<210> 2954
<211> 453
<212> DNA
<213> Glycine max

<400> 2954

ttgaggattt ggtcttcacc aatgaaagga tcgatgtggg tcctaaaaga ggcaaatttg 60
atcatcctac taggacgact gagaaaactg gggcaaataa aaaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac agccaagttt cccaccaacc caacaatgtc 180
attactcagc caataaccaa cctctcctt acccaccacc tagttatcca caatggccat 240
ccctaaatca accacaaggt ctgtctaccg cactttcaat gacgaagacc acctttagca 300
caaacaaaaa aaacaccaac ataaaggaat tttgcagcaa aaagcctgta tggttcaccc 360
caaattccgt ggcatatgct aaacttgatc ccatatccac tcaataattc aatggtagtc 420

ataaccccaa ccaaggttcc tcaacctcca ttt

453

<210> 2955
<211> 960
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2955

tctctgatcg ttaaatacaga ccaaaccatc taaaattngt taattccctc aataattata 60
attcacacac nnnacacagan cacgatggat ctggactagc gacactaana aantaaatac 120
ttgtagtcct actcttatca taactaccgc ctcatgcat ttttttctct gtaacaaaca 180
ttacgcctgg cctttaaaac tagatcccta ctaaagagct cccggctaga ggacatataa 240
ataaagcgac cgttcccaa ccatgattta cgaacgcgac ccaaaaaatc accatcacia 300
aatgatgcta tttctcgata atcttttttc ttaacaaaag gacacggcat cacggcgtcc 360
agaaacactc ttccatctta taagtgtgtt tccaaaaaaa aaccccgctt aaaaataggg 420
cgactctacg atgcaccggg gcttaciaac actccctcac aaaaatacta ccctttgaat 480
acgcggggcca ccacaaaccg tctatatacg accaacatac gtcttgatac ctccaatata 540
aaaagaattc tcatcggtc tcttctaate acaacaact ggcgaaaggc caaccatate 600
ccattatgag cagttgacta acccgtaca aacgatata acaaaatatg caatcgttgc 660
tgccaacaga accctactct tgttcaccac tttaaatacc catccctca cattccacac 720
aacttcaaaa taccagaatc gacaccccca ctcaactcat tcaactgttg taaaacaaac 780
ggcccaaatg catctcggtc caaatacgga cgtctccgta cgaagaattt gcttcactct 840
attccacaac gggacaccgc gctccagaaa cagtgtggct ctacactacc acacggcaca 900
cagatatgcy catgcaacat tctcaagcgc atactttagg gagacacttt ccgtcctccc 960

<210> 2956
<211> 412
<212> DNA
<213> Glycine max

<400> 2956

ttcttttggg tttgattgga atttctgact tgaaagaatt ccttggttgc tttgacacac 60
aacactcaac acacaattgt tttggtatct caatttgggg aagaccatga gccattttct 120

tacttttcaa attacttaaa ctctgaaat ttaaagacc aaacctgtga tgctacatcc 180
agctttcatc acttatagaa gcagccaagc attgaaattc tgcagtctga attccaatct 240
tgaatgctct atttcttgac aaaggggcct ctataatcaa cctcctatct ctatcaaata 300
tctttatttg attggcctcc atctgcattg agtagccctt ttctagcaac tgtctcaaac 360
tcagcaaatt attcttcata ttgggaacat atagcacatc attgataaat ga 412

<210> 2957
<211> 177
<212> DNA
<213> Glycine max

<400> 2957

cggttatagc atcttcttgc gtatccgctt ctggtatttc cattttcttt ataaaaaat 60
caacttcata tggcgcgcat tcatgctctg cacatacacg gatttggttg aattcaataa 120
ctgaacactt ccggtgatca cgacttgaac gaccattaaa tagatctcaa tgtcttg 177

<210> 2958
<211> 462
<212> DNA
<213> Glycine max

<400> 2958

tggacttccct gtgttttggg aacctctcct tcctcaagtg tacccaaacc tcatcacctg 60
gttcaagcat gactttcttt ctgcttttgt tggcttgctt tgcatactc gcatttttct 120
tttcaatttg ggccttcact tgctcatgca acttcttcac atactcagct ttagcctgtg 180
catccttatg cttaaacata gcaatgtag gcataggcaa ccaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcaaagtggtg aacaattagt tgtgctatgg acagcccgat 300
tataagcaaa ctcaacatga ggcaaacagg cttccaaga tttaagattt ttctttaaaa 360
cagtcctaag cagcgtgcct aaagtcctat tgactacctc agcttgacca tcaccttggt 420
ggtgacaagt agtagaaaac aacaatttag tactaatctt ac 462

<210> 2959
<211> 459
<212> DNA
<213> Glycine max

<400> 2959

tatgcttgat ttgcctcccg caacacatga acacactgga catgaccctg gaacttatgg 60
attgcatgga tgcttctaac cagattataa caagggtaca aggggtgaaga aagcaacaac 120
cattattcac taaatttgta ccaacttggg aatcaaaata aattttgatc cgtctatgtc 180
ttctatccca aaccatttga agaacaagca aatatggccc attactctgc tgccagattc 240
gtacatatat caagctttgc cgcaaacca caaataaagc acttattagt gtgtttgttg 300
acgtttaaac tgttttcctt taaaaaaaag taattttctg ttttaatttg agaaaaaaaa 360
atatctgctt attaaataaa acatttttta agaagtattt ttttaaaatt acttatttta 420
agtttaaca aattaattca aaaacttcag aatcatcac 459

<210> 2960

<211> 541

<212> DNA

<213> Glycine max

<400> 2960

tgaacataat taaaaaatat caatgaaaac tcacaacttc aagtgagatt atacaaactt 60
ctaaagtctc tctcagcttg aagctcaagg actttaacac gtacctgcta gttgtatttg 120
cctgtagtgt tttatacac gttttaatac atggttttaga catatacatg tatatataaa 180
aagtagtaac aatgtgcttt acctggactt gatataatga aacagcttcc acaagaacac 240
caatggacaa accaacttca actacaacaa agtaattcag cttcacttgg agttcatata 300
atgagtaatg gcattagaag aagtaaaagc caaccaact tcaagtacaa caaactaatt 360
cagctttttc tcaaccaaac tatgtcaaaa tacttggttg ctattaaaag tgtagtttac 420
tcatgtgaca atcatagtat tctagtttct attcatcatt aaaattcaca aagcacatat 480
agtgttctca tagcaatacc acacagagac aggggtgtag atagcagcca caagcccact 540
a 541

<210> 2961

<211> 574

<212> DNA

<213> Glycine max

<400> 2961

tagcgcaaca gccgtgctaa gcgcacttcc aagaattcaa aaatattaaa agattggcac 60
 ttagcgcttc ctgccccact aagcccagct caaaagctca aattacagaa tggatctggg 120
 gcttagctca ggatagcgcc cttagcgctg ctacaatcaa atttttccag agaagaagtg 180
 gcgcttagcg catcatccac gctaagccca ctgattaaga ttcaattaca ttgaagatat 240
 tgggcttagc gcagtgatat gcgcttagtt gaactattca gccaaccaat caggggtctc 300
 tgcgcttagc gcgagcaagc tcgggctgag cgggtgaaga atgagcgctt atcggataga 360
 caattgcaaa aattttctaa gtctcttttt gtctatctct tcacacaagc ttacaacccc 420
 ttgttcatta ctaaacaaga tgataattaa tcacaatcac aagcaaggta ttctaactac 480
 atgcaagaga taagaatgaa aaatagaaaa gggaaagaaa agtcggggttg gcttccagta 540
 agcgcttttt taacgtcact agcttgacac gtca 574

<210> 2962
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 2962

cgccaaaacc gatgaaaggg acgacttggg ccaataagat ggcgtttttc acccggcgat 60
 tacctttttt ttatgagggt gatttaatca tgacattcac gtactgcca ttataatcgg 120
 aacgccctta acctgtaaat ttttataatt attataaacc catagggttc gctctcctta 180
 cctgtttgat caccggaaag gcacctgaag ggcaactgat tgtcgtccat atccaactgt 240
 ggcggcggtc gattaccact cgtaaataac actactgcc ggcggtccct gtaatttcat 300
 gctcacggca aacatgaggg attgtgaata ctacacaatc t 341

<210> 2963
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 2963

tgtataaaac ctctgcctaa aagggaat aaatgatt tttttcttg acaggtgacc 60
 atgactaaat ttaagaaata aaatatggga cagggtctaa agagaatgcc aaaatttttg 120
 ggctcattgc aaacctgata agtatttgtt tgaagaaag agttggctga tatttggaaat 180

gtaagccctc ttaaggtctc tgtaatgcta gatttcccat acaaagtgtg ttcttctctc 240
ccaacagatg tgttgccaac agaagtatct acattattaa tgacacttac ctatcattca 300
tgcaaagaag aaacttcaat ggtattaaaa tcaatatgtg catacagttt ggaaagttaa 360
ggaagaagca catttataag aaaaaaaagt aattaaaaaa cttaagtacc aaccacttca 420
ggaaatacgg aaactttatc aactaggaac ttcaacagct ctggc 465

<210> 2964
<211> 217
<212> DNA
<213> Glycine max

<400> 2964

tatactgcaa acatctacaa taaaccttct caacctcagc agcttaatca accactacag 60
aacaaatatg accttttcag caacaagtac aattctaggt ggaggaaatca ttcaaactt 120
atatggctga atcccttcca acaacgacaa caacaacaac caccttattt ttataaagtt 180
gctggcccaa gcaaaacata ttttctcca ccaatcc 217

<210> 2965
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2965

tgcttttggc tgatccattc ggtctatacc aagtgaactt tctctacctc caaatcttca 60
atccactcat taaactcctt tatgctatta tccgctctc ctggttgaca tctgccaatc 120
ctttttgaag gggtttctgac attgttgaaa tcccccaaaa tgcaccataa tccttcatta 180
tgagaatttt tcaactgctt tatgttctcc catagacttc tcttgctctg aacatcacaa 240
ggtgaataaa tggttgcaat atgcacctgt tgagcctcct taagcccttg acctaacaat 300
aaaatgaagc cactgctat gactttactg tgcactttgc aatcttctgc attccataaa 360
cacaataacc cgctgatgt gtttactgcg ggctgcaatt cccaccctac ctccgaagtc 420
cctcacaaag tatggcacac actcatgtca atgttttctg gtttagtctc ttgaatacac 480
caacanatcg attttttctt ttcggacca ttctctaaat gcagcccatt ttacaccct 540

ccctaagacc cttacattgt aggaaataat attcatgggt tt

582

<210> 2966
<211> 348
<212> DNA
<213> Glycine max

<400> 2966

aatttaaatt gatgtttgta tttatgggag gtttgtttat gccctttttg ctttaagagt 60
gacgccccac tggtaaaact aactttccaa atgcttgctt tctcaggaat ggacccaag 120
aaacttgctt catagagggt cacgaaggac aatgcgggccg aaggaactag tttcgccccg 180
gagtacgaca gtcaccgctt tatgagcggt gtacaccagc agcgctttta agccatcaag 240
ggatggctgc tttctcggga gcgacgcgtc cagctcatgg acgacgagta tactgatttc 300
caagaagaaa tagggcgccc gcggtgggca ccaactggta ctcccatg 348

<210> 2967
<211> 530
<212> DNA
<213> Glycine max

<400> 2967

tttcttcacc cttattgcag ttctacatca tccgcaccac cttaaccta aaaaccaaca 60
taaaacacat caaaaccttg aaatagtaca cttttatgaa acttctaaaa gtgcctatgg 120
aagaaaacaa aaatggagga tgagagggga aaaaaagggt tttcttacct ctaaaatcaa 180
tccagattcg aaaaatcctt tgtgctaagg tttcaagtca ctaaaaacta agtgtatgac 240
tcttctcttt ttttctatgc gcaccgcata gtttcttaag ctcaattact ccattctata 300
tcaactaagg ccattcatc ttagcccaaa cattctaaaa cagactattc acacccaaac 360
aagggttttc gcatttgtaa acataacata catacaagta ccacacattg tcattctata 420
attaattaat taattaatta caggaactta attaaagtta attactcttg caatctaatt 480
aaatcactta atcaaacatt acgaagaaac acaatgttac atttatecta 530

<210> 2968
<211> 503
<212> DNA
<213> Glycine max

<400> 2968

tgtatagttc cccaatttat gggtattttg tagtgatttt tgtatataaa tcttatttta 60
tggttaatgt tgtctctaga acatttccat tggatttaat gatgaaatct gtgcattttc 120
agggtgaaaa gaagctaagt tttgaattgc aaaatgtagc agtggggcta agatcagcag 180
ttgggctaag cgcataatcca cgcctaagcg cagattcagc gcgcttagtg caaaggagaa 240
tctggcagag catcagcatc aaaggagaat ctcccttgca tttgttttcg tcatcttcgc 300
cacgggaagc cggaaggtct gcatagtttt cttaattgca tgcattggac accatggtaa 360
tgactgtaaa tgagccatga tacccaatgc attgtgggta agagagggtg gtcttctggg 420
ctcttggtgc catagataaa cgtgttttgc atgcatagca taaacattcc ctgatgcatt 480
catcacacct tcttttatga tag 503

<210> 2969

<211> 523

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2969

tcttatccag gtaattcttg gtggtgaagc tcttctgcc ttggcttatt ccctaattgga 60
tggngectcc tctctctct tctcttttgc cttctgctgc atctccatgg tgtaaaatca 120
ccattaaaag acctcattga agctcaaaga tccaccctcc atataagccc cacaagcaag 180
cttccatcac cggagctctg ataccaaag atataagccc tcatggcaca agggctgact 240
tatgagcgtc taggatggaa aatgcggaaa ttgattaagg aaaggatgga aaataagggtg 300
gttaatttcg tgggtcttaa taagggtggt cttggcataa aatggatgaa tgggatgcgt 360
aaatgtatgt taagtgggtg ctggacagaa atatagaaat ggcaataact gaagctacag 420
ggcttcaaat gaggtgattt taacacgcgg tgaaagggtc cgttttgaaa ttcaatttac 480
gcttaagaat cacttaattt gagtgcgtaa aatgggagat atg 523

<210> 2970

<211> 445

<212> DNA

<213> Glycine max

<400> 2970

aaaactatca tgacatgtag agaagaatca aggatttcaa gtcacaaaat gtcaagaact 240
 tttattttca aaacaattac ccattttcttg aacatatacct ataattcaaa gaaaaacatg 300
 caaagtcgta cgtgcacaca aaattgaccc aaaatattaa actaaaaatc cgacgaaact 360
 aacaacatta acaaattaac acaactaaca aattaacaaa accaacaaaa ctagcaaaat 420
 caaagaacac tccccccccc ccccatactt aaacaacaca ttgtcctcaa tgtagcacia 480
 ttaaaagatt aaaaagaatt aaatcattca agagaat 517

<210> 2973
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 2973

tgccctcaaag aggtccagga aagacaaggc ggccgaagga actagtttcg ccccgagta 60
 cgacagtcac cgcttttagga gcgttgtaca ccagcagcgt ttcgaagcca tcaagggatg 120
 gtcgtttctc cgagagcgac gcgtccagct caggaggagc gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcaccact gggtacaccc atggccaagt ttgatccaga 240
 aatagtcctt gagttttacg ccaatgcttg gccaacggag gaaggcgtgc gtgacatgag 300
 atcctggggtt aggggtcagt ggatcccggt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtattggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
 tgatgggttc gatg 434

<210> 2974
 <211> 782
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2974

tgaatctcca ttggagttgt cggttgtagc cactccataa ccgactcaaa cttgttcgga 60
 tccaccgcaa ccccgctcctt agaaatcacg tgccccaaga actgcacttt ctccaaccaa 120
 aagtcacatt tcgacaattt ggcgaacaac ttctatccc tcaggatatg caacacaatc 180
 ctcaagtgtc tctcatgtc ctccttattc cttgaatata ctaggatatc atcaatgaac 240

acaaccacga actgatccaa gtaatcatgg aatatacggg tcatataatc catgaaaata 300
gccggagcat tagtcactcc aaatggcatg actaagtact cgtagtgccc ataccgagtc 360
cgaaacgtag tttttgggat atcttccttc ttaactcgaa ttngatgata ccccgatcgc 420
agatcgatct ttgaaaatac cgttgctccc ctcaattggg caatcaaatac atctatcctt 480
ggtagaggat atttgttctt gatagtgacc ctgttttagct tgccgtagtc tacacacact 540
ctcatacttt catgctttct tttaaccaac aagaccggg ctcccatggg gatgcgcttg 600
gacgaaacaa tgggtgctca aaaggtctgc acttggtgctt tacctttgta gtcttaccga 660
gacatctata tgtgcatca cactggatcc ccccgcccc aagcataagg gattccctct 720
ctttcagggg gattacaaaa tattccgaaa actctggaat ttggcccacc ggtaataaaa 780
at 782

<210> 2975
<211> 578
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2975

cataactacg tgtaagcttt aggcaaattc acaagataaa ttctagaaaa agcattactt 60
aactcgcgac ggaaagcata aaaacataaa attaaagagc aaagtttaga aatactaggt 120
tgctctctag gagcgcttct ttaatgtctt tatccagacg tgggggttggt gttgggggctt 180
cgccgtctca tctccctac cttctttcct tgatcgtgag caactctgat catggaccta 240
gcacctgttg gcacctgccc taatgctttg acaaagaaag tgtaacatg caaatgtgaa 300
gaaatactac aggatgctca tgtagggttg tggntttctc tttttcgttg tcattttcaa 360
ttttacttaa cgcttactgc accctgctga acatgccgaa tggctccgga atatctgtcg 420
tgagagtgag caaaaacgag agtgtacgtt catgcccac gacgatataa gtacanagga 480
acaacactag aaggagagat gcacaatatt acatcatatt tattaatggg gagaatattg 540
gttacaaaaa aaacttacga cgtggagatt ctaatgag 578

<210> 2976
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2976

acctttccaa catttggtcc atgaatggca gatgaaaatg acatcattca acttgcggtta 60
gtcaataaaa attcgccacc cagtgattgt ccgtgtagga ataagatcat tcttatcatt 120
acagatcatc ttcatatcgc ctttcttttg caccacctgg accaaaactca cccaagtgtc 180
atcagagttg gataaattag tcttgcttca agcaacttga ggactttttt gcacacctcc 240
tccttcatag atggntgagt ctctctatg gatgtctatc cagtctgaat tcaccttcca 300
tcattatgct atgcatgaaa taggatggac taatccccctt aagatcaaata atgtgtcatc 360
ctattgttgt cttgtgcttc ttaagaacct ccaccaatag tgcttcttca attgaagaca 420
acgtattatt gataaccact agtttaacat catctgcttc ctgggagaca tacttaaggt 480
gaggaggtag aacccttaac tcaaccttaa gtttttctgt aagagtgcct ttttttagct 540

<210> 2977
<211> 452
<212> DNA
<213> Glycine max

<400> 2977

ttttatcggt ttttaagccg gtatctcgcc taataattga taaaatgaat ttcaaccgat 60
catttggtg ggaatctcgg ttaatcacta ttaaaataaa atccaactga tcgttcacgc 120
tgtaacttcg ggtaaataaa aaaaagcaga ataatacataa aataatcaga atatttagaa 180
aaaaataata ataaaataat cagactaata aatcggacgc ttttcttaga aagtttcctt 240
aatgaattg actaataatc aaagtgaac taaggctaaa atcaactcac aaaccaagtt 300
ttgtgcgcaa aagtcactcc aaaccgtttt aaggccaac accttaaaac ggctctcttt 360
gcttttattg gttaaaatgg accattcaaa gcataaaaatt aacacataac tttctcactt 420
ttgcaagaat acgtacgtct gatttcttca tc 452

<210> 2978
<211> 441
<212> DNA
<213> Glycine max

<400> 2978

taagatgatc aagatgatca agattgaata aaaaacactt caagaatcaa gaatcaagat 180
tcaaggttca agcttccaag aatcaatatc aagattcaag actcaatatt caagaatcaa 240
gagaagactt aatgagata agtatgaaaa ggttttttca aaaacttagt agcacatgga 300
tgtttttctca aaaaatgttt accaaagagt ttttactctc tggtaatcga ttactagaat 360
attgtaatcg attaccagta gcaaaaaatg attttgaaaa agttttcaca tgaatttaca 420
acgttccaat tgatttcaaa aagttgtaat cgattacaat gttntggtaa tcgattac 478

<210> 2981
<211> 334
<212> DNA
<213> Glycine max

<400> 2981

ttgctatcca acaatgttgc ttcattgcttt aggatttcta tacattgggtt ctctgataaa 60
taccttgtgt tgtcttcagg agctcatata aagagtgtat gcacacaagc cggtatgtat 120
gctatccgtg cccggaggaa gactgtaaca aacacagact tgctttatgc accaaataaa 180
gtcatctaag gataccagaa catcactgca actcccaagt atatgggtcta caactgaggt 240
attttttcat ctttttccga gaccatagca gctttatctt tattttcccc tggaaattga 300
agggcatgcy attctatcta attaactctc tggt 334

<210> 2982
<211> 620
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2982

tcttatccaa ggctcatctt ggtgggtgaag ctcttcttc catggcttat tccttagtgg 60
atggcgctc ctctcacctc ttctccttg tcttctgttg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagctc catagaagcc ccacaagcaa 180
gcttccatca gagaccctcg aaggcaatac gaggtgtcga ttccgtggca cgatccgact 240
cacggctact tcgttggtag atccaaagga accagcacgc acgttccagt gcaactgtgga 300
gtggatctta cctacaccta ctccatatct actagtggag ccagtccaag tgattgaggt 360

gacgtcatct aaggaagacc ctgaggagga cccagaggag ctacctcctg agcctgctgt 420
 ggatgctctt gactttctag agggatgatga ggaccactc cctgagggtgg attctcccga 480
 ggacgtcatg tcggcatctg aggcagactc taccgaggag agcggtcctc gagggatagc 540
 gactagcgaa nggtcttatt atagcagacg gtcctttaga ctaggattat atactttttg 600
 ggggtgggtg tatctgggtac 620

<210> 2983
 <211> 563
 <212> DNA
 <213> Glycine max

<400> 2983

tgtaggatta tggggtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aatgcgcgca taaaccacc atcccctgtt gccacactcc 120
 atctgagctc acgtactccc acgtagctca taccctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc acaacatcca agcgaacaaa cattcaaaca gcacaagcta 240
 tcacaaccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaatcac 300
 agcttttctc acttaaagac cccagtaaca attccttcga tccaattcgt taaccgttgg 360
 atcgactcca aaattttact ggaagtctat agtgcataag cctacatttt gaccgttggg 420
 atctactagc gaacatccag aactcattct acattactct ttccacaacc agcaaataca 480
 cggatttttc tgcacttgtg caaaattctg ctgcacaatt ttacagcaaa atctgcacaa 540
 agagcatatt tcgaaaacca cac 563

<210> 2984
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2984

ctagtcggat cgtaggagta tntagtgttg taatggtttt tgctttaagt agcaagtttg 60
 ttcggctttt cacaggcatt ttttttttaa ttagataac agaatttcca acccaaaaaa 120
 attgaagctt gtgaagatat gtcaatatct cgttacaaag tcaaaatctt aattatgatg 180
 attaaaaaaa catttataaa caaaaaagat taagaaaaaa gtgggtatat ttactcttac 240

atagtagtca ttatttatat tctctttttt aatatatgca tttcacatat aagtaaaaaa 300
 aaaatctctt tcaatgatct caaactatcc tcctttatca agggatttaa ctcatatgat 360
 tgagtagtat gtataattaa gttgttataa actctttgac gtcaagagtt cgactctctc 420
 atttgaaaaa aattaatctc tttttacttt ttatttgatc ttcttaaccc ttgcctcatt 480
 caatnttttt tcataaattg tataanagaa tatataagat aaattggttt aaagataata 540
 aaagaaata 549

<210> 2985
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2985

tggttcaagg caaatttgta ccaaatttgg ggtagttata tgtcaaaaca aatttgtccc 60
 aaatttgggg gagacactgg gtaacgaaat aaaatgggtca aaacaaagca gcatatacac 120
 actgttttct taaaaaaaaa agaactata agcataaata aaaatgtata aaagtgtgtg 180
 tgctgcaaat caaatcaatg aaagctaagt gcctaataaa aggcaagtat agggtaggaa 240
 tgaatagaaa aagtaaagggt ttatctatgg atgaatgctc tcctagaatc taagattttt 300
 aatccaagaa aaaccattat ttgttggcag cctaacctca ttacaagcct agaaagtcct 360
 tcagattcat tntgtggggg tatttctcta tggtatgaga tgatatgcaa aagttggggac 420
 ttgtgttagt tgtttataat ggaatgagcc taaacagttg agcttgagtg aaacaatgac 480
 tgcgagggct tggntgatga ttctttcctt gatatctgcc attctcacta gcttatttca 540
 gttgtgactc taatgcatat gttcctatct ttgaaaagct 580

<210> 2986
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 2986

tttaattaat aaaattaatt agaaaaataa ggattttttt tacgtaaagg ctatagatac 60
 aaagcttcac actaaaaaag aaacatctca actacgttga caaccctcct cctagagatc 120

acaagcaaag gcgtaacaatt tattttctata aaaagaagaa atagataacc gacactacga 180
aaagaagttt tgtatgatgt ctattttaag atgggtatcg gaaagctatc ctcgtttaag 240
tagaggcggc attttcgtaa acaattataa cttttgaaag acggtcattg cagaaccgtc 300
tttaaaacaa cttttcaaag atgggtttttg ctaaaaccgt ctttgaaatt agatcctcat 360
cgtcgattat acaaagaaac cattgtgagt ggatctttat tatctcgtgg ttacaagcac 420
tctcgactc cattcctttc ctctcttc 448

<210> 2987
<211> 1116
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2987

cgttcgttcg agtcttactc tctttaacac tatactgtat gttctgtaca tcactcttgt 60
cctntatagc ccnncaccag cnatgtgatg attcatgcct attctccagt gancctatan 120
aatacttcag cgttggaaat ggaacaaccg gaagcctctc tgagaaaact tcaatttggg 180
catatacttt atttacacaa gacctttcta tttcaggtcg catatatatc tatccagaca 240
gctccgaaaa tctgaacacc ggtagaggt tccaagaaat tccaaatggg tcatcgactc 300
tggcacaacc gacagtcccg atttaagggg ccataaaata tccagtagcg ttctaaattg 360
aacaaccgca agcgtctccg agagaaatcc aaatgggcat taactatgtc aacacggaag 420
gccccgtatt cttggcgcat aagtattatc tgacaacgcc ttgtaaattt gaaccaaccg 480
gaaagcctct cgtagaaaat ccaaaatggg ccatgtactc tgttacaacg ggaagcgctg 540
atttcacgcc gactatatat atcatacaaa gctttgagca tttgtacaac acgaacgctc 600
tctcagaata ttaataacgg ctcatatact ttcgteccac ggatcgcccc gataatggcc 660
gccttactca tcttgggacg gctccgaaat gtagcatatt ctgagcgttt ctctagagat 720
attcaatagt gcgcgattct ctttcatcac cgaaacgccg catctcctgg cctcctacaa 780
atctttctcag atcgctctc aaattgtcat cactgagaag tcgttctcgg taaatattat 840
atatgcacaa tcaactgttg ctccacgaac gtctogaate cgatgcaact cactctcatt 900
cacgacctcc tctagacttg taccactcac tatctctcgc tcacatcttc acaatctgga 960
atataatcat ggactcaccg ctgatgccgt cgactacatg cagtctacgt atatactcga 1020

ttcttcgtga caatgtattc gatctaatat atcttcgtaa caacaccnca gaattgctac 1080
 tgactcatct gagctagcgt tacgctcgat caacgt 1116

<210> 2988
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2988

taacacacac ttctactcta ttgttcgtgc gaaaaagcgg catctccgca atgatttaca 60
 taacattttt ctgaacaata gttctatttc tgaccatttc ttctgaattc aaacaattat 120
 tgattctctc tegtccattg gagaacgtgt gtctaaatct gatcatgttg acattgttct 180
 tgatgggtta ccagatgagt ttgagttgct gtcacttttg tgagtggcaa gtttgagtgc 240
 tgtctattga tgaagtcgca actctcctat tggctcatga gactcgaatc gcttgcaaga 300
 aatcacttgc ctcacttgga gcttccatta atctctctga aggagcagaa cctaatttta 360
 gccaaattcg gcgcaccagg attctcatcc tcaagcctat gttgctcaag gttctagctc 420
 atcgccgcat tttggcatga actataataa ttacaatggg ggaaataggt acattaaccc 480
 tggcgctgg 489

<210> 2989
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 2989

tctacttatg tggcagggcg ggcttccttc actttcttgt cttcaacgcg agctttgacc 60
 actgctcttc cttcccgga tgcttctttt catatccgcc tgagtgggct tataacctaa 120
 accatacttc ccaccatttc ctttggcatt tatcatgcta gttatgccgc cgttgtcctt 180
 gcctaaaccc attccgggtt cgtaaccgtt ccctaacata actcggggcca tcattactgc 240
 tgcatcggac aggcaaggct gccagagaa ggagtccacg gaggaatgc tgaccacctc 300
 aaaagactgg aaagcgggtt ctaacgattc ttctgcggct tccacataag gcatagaaga 360
 tgggcagctc accaagatgt ctttctcgcc tgacacgatg accaagt 407

<210> 2990
 <211> 567
 <212> DNA
 <213> Glycine max

<400> 2990

tcagcttttt atcaagtgaa aattatgtaa aggttttata gacattatta gtcaaagtga 60
 taaggaggaa atgtgtatgt atgtatatag tcaaattgcca attaatgacc gcaaatttaa 120
 actgtgtaag ccgttccatc taaggaagaa ggagaaatca tttgtattca tggagaaaac 180
 tcaacggatt ttcttaacct ccaagcctct tcgagaagga aaaactgttt tcttaaagct 240
 ctatatataa ggacgaagag atgttgaaac tcattgctag aaaggaaatt acgatataaa 300
 tgatatagat caagaaattg tattgcacat atatatctta agcttttgat tcttgtattt 360
 tacgccaaac tgtccaagac tttggagagc caaatccact tagccttaga gtgtcgataa 420
 agatatatca agggagactt gttaatgggtg taacattgtg gctttttcat aatgtatggt 480
 aagtgtttta ttaacaccac acgaggaatt aaatttaaatt ttatattatt taatgaacta 540
 cttaataaaa tagagtatgt tgggtcat 567

<210> 2991
 <211> 935
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2991

gcttcaatcc tgtggtcgat tattactaca attntanttt gctgtaaagt gattctattt 60
 caactactgn gtgattgttc attccacctc tctctctccg ggccgccttg atgcgtcttt 120
 ccgcgaccta gagaaactca agatagttgg agtatggggg acccctcaca agagggtacta 180
 tgaggcggtc ttgccattgt gtcccacaag ttatccacat cctcgatgcg cgcataaaaa 240
 cccctcccc tgttgtccag acacatatgt gctgactcgc tgaccattg agcatctgct 300
 tatatctata agctccgggt tcacatcaat agcttctagc tttctcaacc tacaatcact 360
 tcaccttctt aacaccgcat gctatcccag ctaaataaag acgggcgaag gcgaaaaact 420
 atgcccctag accaacctaa tgacagcttt tttttatttg ggacgccaga ttgcaattct 480
 ttaaatccta ttgatgcacc gaggtgacga ctgcaacatg ctacaggggg taaatacaac 540

aacatcttac attgaggccc gggggaacta ctatcctaaa tgcagaacgc gtattagata 600
 actggttcct ctaacaccat attcacgggt atattctgtt cttgtgcaag attcagtgtg 660
 tccacgttaa atcgaaactg ctcaaatagc atatgtagag aaccaccata ttcctcacct 720
 aatattgtcc taacttagat gtacaagtgc gccctctggt attttgatag gctttaacaa 780
 gataaagggtg ctctcagga accctaagac aggggtttta atcccagatc caaggggttc 840
 ctctgattaa gaggggtgat atgaagaaaa acttgcagcc tttccctcgc ccatcttttc 900
 ttttttgac tgtcgcccgg atttatacta aatcc 935

<210> 2992
 <211> 1234
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2992

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 nntatcactc cgttctntat atcacancta cntantcgt ngctcgcaca ccnacnnaac 120
 ctcanenent atcntntcac ggencactgg gagttgattg ntcgtgncta ctctcatcgc 180
 gnataccacg cngnaanacn ctatannaaa tatcttctca ccgttctaaa caatatagac 240
 tatteggaga ccggtcacn gagtaatact attacattgc tacatcgtat attcactgac 300
 cntactccga tgtcaaaaaca acgtctacct agatantgct cttgcacaga tcttgatctc 360
 aggaggacat agctactcag tctcctaata caccgaagtc gcatacatgt atactaatct 420
 aacggcggac cctcaaatca ataccagtn c gacacgatta caaaacgtct aatagtnngc 480
 ccttagaaat caattctaca ctatgcatac ccgttgatcc tcggttatcc tagccgtaat 540
 atatgtactt accaggagct ttatctagac aacacccgta tataatccac ctgtcgcccc 600
 gaaaattgct tcagagacta acataaacca aatgtcccg cggctgacgt aattatacgc 660
 cacccttc agacataccg ttcaaaaaag cttttcgaag atagacatta ccttaaaagc 720
 attaatacata taacaaccg actgtctcac cactaatagc gtacgtcaca ctacagagca 780
 cagcgtaca tttagtaggt gtgttgaaca tgaacaacac tctccgactt taattttcag 840
 ctccgaccgt caaaaacaat gaacttcttc cgacgccact gcccaaaata tttctagacg 900
 tgcccaactt tggttactgc cctatatgcg tccatttcac cagtcgtttc tataacatga 960

acgatgaact cacttctcga tacacttggg ccaaataagag aatgcagcag ttcttaaaat 1020
 atgtgcgctg atgctccatc tctaacagct ttcgtagcac cctacaatat aatattctcg 1080
 acagcgtcgt atcaacaaat acaacacaag acaaacactc tctctctcta ttcacttaag 1140
 ctgtctaata acgcgggttt tctcccatc actgtcatca tagataataa tcgcgctctc 1200
 ttcaccttac atctctgtct gcacactaaa tacc 1234

<210> 2993
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 2993

tgtaggatta tggggtaccc atcacatgtg gtactagggt gcggtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aatgcgcgca taaaccacc atcccctgtt gccacacctc 120
 atctgagctc acgtactccc acgtagccca tatactcgtt tctctcaaca ccgggtcccc 180
 atcaatcctt tcaagcttcc acaacattca agcaaaacaa cattcaaaca gcacaagcta 240
 tcacagccaa aaaaaacagg gcaaaggcag aaaactctgc caaaacacca accaaatcac 300
 agctttttctc acttaaagac cccagtaaca attctttcga tccaattcgt taaccgttgg 360
 atcgactcca aaattctact ggaggtctat agtacattat cctacattgt gaccctgtggg 420
 atctactagc aaacatccag aacgcatttt acattactct tttcacaacc agcaaataca 480
 tg 482

<210> 2994
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2994

tcttatccag gcaattcttg gtgggtgaagc tccttcttct tggettattc cctagtggat 60
 ggtgcctccc ctctcctctt ctcccttgcc ttccgctgca tctccatggg gtaaaatcac 120
 cattgaagga cctcattgaa gctcaaagat ccagcctcca tagaagcccc tcaagcaagc 180
 ttccatcaaa agcccttggc aacaagccta gctttgtact tggtgactga accattagga 240
 ttctccttta ctcttaacat tgacttactc caataacatt tctaaaggat aggagataaa 300

ccagagacca agtggattct tgattaaagt tgcattattca gtttgcattg ctgagcgcta 360
agagggatta ttcaaagcta ctttagtaga cttagggttca agatgagcaa ggagaacggt 420
agggttaatt ctatgtttga caattctaga ttttgcacga gtgcaaatgg gatgggtatc 480
tgtgggtct 489

<210> 2995
<211> 625
<212> DNA
<213> Glycine max

<400> 2995

caaaattgga taggaatggg ataaaaataa gttaaattaa tagataatat agaaaaataac 60
aatacctcaa attcaaagga gaggggtctgt tcttacagca tcaacattgt cgtaagaagc 120
aattagcaaa ctagtccaggc catacttcat agtaacatat ttcataaagc taaaagcatg 180
catggcaata tcaagaaatt ggctaccca gacatattat gcgaaaaccc ttttcttccc 240
gtaataacca agattaaatt aaaaaaaaaa aaacgaaata gcttgattgt tggattaatg 300
acacgatttt gatcttatgt ttcataagct ttcttaagac atccgtcctt tcgagcataa 360
tcatatacaa cgttttttca acttcttata tggtggactc actcagggtgc atgctttctt 420
taagaagtta tatcaacaga agaactccga catattgatt ttaatttttg aagggttaaaa 480
tatatttatt ttcccaatga atttccttat tatagctaaa aataaaataa tacatacgta 540
atattgttca ctaacttatt ttataagaa ttgataagcc tcttaaaaaa tgataaatag 600
aaaagaacga tttaaattggg ctttg 625

<210> 2996
<211> 528
<212> DNA
<213> Glycine max

<400> 2996

tcgcgctcca tcgaccgcta ccagcaggaa cttaccacc gggagctaca aaagcgtctt 60
cgccagggtc cgcttttctt ttattcttct tttctttct ttttttggga cattgggttt 120
gattgagcca ttcattttct agggttttga attttttctg ttgttggggt aatttgtgtt 180
attgttgct tttggtttag ttgcttatgt tttggttgat ttttcatttt cctttgtaga 240

acaggaagat gacaaggacc ggaagccgca acccggacaa gcttcaagca cagatgctgt 300
tactgaggggt atgttttttt ttttttttta aattataata tgtagtgatt cctgttatgg 360
gtcaacattg gagtatgtag gggtctatct tgttgcatgg taatggtagg attaaatggg 420
caacaaaggt atggatgggt tgaaacttga aaagcaagct tcttgctagt agggatttta 480
gtgatatttt gtgactgctc caagaaaggg ctattaaact gatctata 528

<210> 2997
<211> 507
<212> DNA
<213> Glycine max

<400> 2997

tgcattttta atttcatctc taaatatcac agcaagtgga agaagaagat agggaaaaga 60
aacttaaggc catggctatg taaagcttgt tctgcattct gagtcgtggg ttggtggcga 120
tgcatatagc cgccgggaac atgcaatgat tgagactgga ctcattacaa tgttcagaaa 180
tggtctttca cggtagatct ttttttaact taatcactcg gatcaggtaa ccggtaaaca 240
atctacaccg tttattataa taataatata tccaacgcta actttttgtg attcaccggt 300
gccaaggat tttaagactt caccctagaa tccacccgaa gtttaaggga tttcctacaa 360
gcattttcta tgaagaaata tatactttta acaggaaata gaaaagtatg tgaatgtgct 420
tttttaaaaa aaaaaaaata ataaaaattt gtgacattag actacgttga ctgttgacat 480
ataccgaagc aagatcgaca taaaatc 507

<210> 2998
<211> 503
<212> DNA
<213> Glycine max

<400> 2998

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gcgcatgtcc acttgtaatt ccaaagtatt aaacctttca ccaacaaagg tttgaagacc 120
atcgaaccta tccaaaatct tttgatgaag agaggaatct tctccaccat gtccttcttc 180
atcaacaggc cgagcaccct ttttcaccta agagccatca tgctcttttt gataaccaaa 240
ggatgcaatg acagcagcac ctattagaaa ggatctcttg attggaacat aaggttcaga 300

atcaagaggg acgttaaagt gttgaaggaa gaggggtgagt agatgtggat atggcaatgg 360
 agcatttaat cacaatgcct tatgcatgcg atatcgact aagtgtgccc aatcaatttg 420
 tcggccttta tgaaaagccc acataacaat aagatcttct tcaaaaacct gtgcaagggtg 480
 tgaagatctt ggaagcaaga tac 503

<210> 2999
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 2999

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 atgctcacag gatgaagaga aaaaattgaa gccatgagaa gtaataaaaa attaaaggac 120
 aagaagaatg ttgcacacat gaagatttgc acaatgaaca tgacatgaag aataatattg 180
 ttgcaacaga cttagagagt aatttcatca acatgatgag ttcattctaa acattgtatc 240
 tagagttcaa gaaattcaat tgagttgttc ttggtgtcta tgtaaattctt gaagaaatat 300
 cttcaagttt catgaacaag tcgtgggttg atactatcta gatcatggat aaaattaagc 360
 ctgaagttct agatgctgtg ttgcctgggc aacttaatat gtgtgcatta atttgaagat 420
 tccttgagct attaaagtgc atttgagagg atctcaatgg aagggaaacc tatgataaat 480
 atttcatg 488

<210> 3000
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 3000

tgtttaccac atgttgaatt tgcttacaat agagttgttc ataatgccac taattgttct 60
 ctttttgaag ttgtttatgg ttttaacca ctaactcctc ttgatctttt gcctatgcct 120
 aatgtttctg tttttaagca taaagaaggt caagcaaagg cggactatgt gaagaagctt 180
 catgagagag tcaaagatca aattgagagg aaaaataaaa gctatgctaa acaagccaac 240
 aaaggagaaa agaaggttgt cttctaacc ggagattggg tttgggtgca catgagaaaa 300
 gaaaggttct caggacaaat aaaatctaag cttcaaccaa ggggagatgg accatttcaa 360

gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tgcccgggtga gtataatggt 420
aattccacct 430

<210> 3001
<211> 547
<212> DNA
<213> Glycine max

<400> 3001

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aataccatat taaacaattt taattattga aaaaataatt attttttaata ataataaata 120
tttctatttg aatttccttc tttttattta tctaaataat aatgataata ataataataa 180
taataataat aataataata ataatagtaa ttttgattat aaatgatatt ttttttcaag 240
tgatatattt atttatataa attttataat tcaagcgata tttttttgta caaattaata 300
tgagtaaaat ttaatttata ttaacatagt ttgaaggatt tacagaccct ctgtgttttt 360
catctaatat atttgcataa ttttaggaaa ctcttggttc aaactttaat ttcatttata 420
gatactcaag ttatatttgc tcttgatagg gaaacataca tgttggacat tttttttttt 480
aaaatgcatc ctcttgataa tcaacttcta actggaaaaa aaaaaagcca aataaatatc 540
ttttttt 547

<210> 3002
<211> 61
<212> DNA
<213> Glycine max

<400> 3002

tggagaggat gcttcaatgg aggaaaagaa agagggagag atatagagg gggggggggg 60
g 61

<210> 3003
<211> 207
<212> DNA
<213> Glycine max

<400> 3003

catgccctac tttctagaat ggcaatggtc ttgcatggta tcaagagtgg cgcacctcac 60

tccatattat atcttttgag cattatgcga cgccacgtgt gtgtgctaag actattgctt 120
 catatggcag aagtctttta tctaateggg aactacctta tcgaactcgg ttacacaagt 180
 ggtttctggc tagcaaagct atgactc 207

<210> 3004
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 3004

tttcaactctg atgtccgatt caggcgcaga atatatcgag aagttcgaaa atgaacaaaag 60
 gaagctcttg agcactatca atgatcataa cttttaactc ggatgtccga tttaacgcga 120
 taatatatcc acacatatca aattgaacaa tggaagctct tgagaaattc aaacgggtcat 180
 aactatttac tcggagggcc gagtcagtct cactatatat tgagaccct 229

<210> 3005
 <211> 528
 <212> DNA
 <213> Glycine max

<400> 3005

gaccttgaaa ctcagcttgt aaagtctctc gctcttagtg tctagaagac aaagaaggaa 60
 taatcgtcta gaccatcatt aagaggtccg tccaaagcac caagtgtagc tagctcctct 120
 aatgaagact tcaaaggaca atctgatgag gacgacgagc tagccttcat ctcgagaaaa 180
 atctgaaaga tgtggaagaa caaggggtgga tctaaataga agaacttctc caagaagggtg 240
 ttcaatgaaa agaaagacaa agataaaagc tccatcattg ctatgagtgc aaaaagcctg 300
 aacacttcaa gtctaagtgc ccagatctgg agaagtccaa gggaaagcat gaataatata 360
 attccaaggg taagaaaagc ctcagtagca cctgggagga cctggatggc acctcgtcca 420
 ataaaggaga ggaggaagcc aacctatata taatcgtgc tacaacctct gaggaatctg 480
 aatcataaca aacttatcct gaactactct ctaacttggt gattcttt 528

<210> 3006
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 3006

ttgagcaaat tgaaatgaca ataactttat acacggatgt ccggttgagt cccgtaagat 60
atcgagacgc tcaaaattta gatccgaagc tctgagaaaa ttgaattgac aataacttta 120
tacacggatg tccggttgag tcctgtaata tatcgagacg ctgcaaattg aaaacggaag 180
ctcgtaggaa attcaaacga caataacttt ttactcggat gttcgattga atcgggtaat 240
atatcgagac gctcaaaatt gagactagaa gctctgagca aattgaaatg acaataactt 300
tatacacgga tgtccggttg agtcccgtaa tatatcgaga cgctccaaat tgagaacgga 360
aactcttagg aaattcaaac gacaataact ctttactcgg atgcccagaca gagtgtcgta 420
atatatcgag agacgctcca tattgaaaac ggaagctcgt atcaaattca aacgacaata 480
actttttact cggatgtctg attgagtccc gtaatatatc gagac 525

<210> 3007

<211> 480

<212> DNA

<213> Glycine max

<400> 3007

tgctacaaga aaggaaaaga aaacactggt gcagatgctt tatctagagt gtagggttct 60
gaattaatgg tgattgcagt ttccatcatt tccagtgagt tgatggctga aattcaaggt 120
agctgggaga tggatccaca tctatccgag cttatacctc aattgcatca aggggttgaag 180
cctaaatctc catatatgtg gattgagggg caattaacca gaaggggtag aattgtggta 240
ggccaggcca aggactttgt tttctctacg aacgtagtag gcaatgagcc accagatggt 300
ggtggcgggtg gtcaaacacg agtctctttt aaagaaaagg ctatggcaaa tagggaagca 360
ctacctcagc gaccaaaagt ggacctatca aggaaaaatt ggccaaaata gtctttgagg 420
atgataatca cttgaagcct attgttcata ttgatgattc tgttttcaat ggcttatatg 480

<210> 3008

<211> 491

<212> DNA

<213> Glycine max

<400> 3008

ctataaaact aagcttatgc tgcaacattt acatagacct cctcaacctc agcagcaaaa 60

tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaaccctg gatgaaggaa 120
 tcaccctaac ctcaaattgg ccagccctca gcaacaacaa cagcagcctg ctcttcctt 180
 ccaaaatgct gctggcccaa gcagaccata cattctcca ccaatccaac aacagcaaca 240
 acctcagaaa cagccaacag ttgaggcccc tccacaacct tccctcgaag aacttgtgag 300
 gaaaatgact atgcagaaca tgcagtttca gcaagagacc agagcttcca ttcagagctt 360
 gactaatcag atgggacaat tagctacaca attgaatcaa caacagtccc agaattctga 420
 caagctacct tctcaagctg tccaaaatcc caaaaatgtc agtgccattt cattgaggtc 480
 gggaaagcag t 491

<210> 3009
 <211> 474
 <212> DNA
 <213> Glycine max

<400> 3009

tgaaggactg taaatattgc ctatgtttgc ctccccttgg acttttgcca cgtctgaagg 60
 agctttcaat tgaagggttt gatgggattg tgagtattaa tgctgatttt ttcgggagtc 120
 gctcttcttc atttgcaccc ttggaaacac tggagttctg ccagatgaag gaatgggaag 180
 aatgggaatg taaagggtgtg acagggtgctt ttccacgtct tcaacgtctt tttatagtgc 240
 gttgtcccaa gctgaaaggg ttgcctgccc ttggactttt gccatttctg aaggagcttt 300
 caattaaagg gcttgatggg attgtgagta ttaatgctga ttttttcggg agtagctctt 360
 gttcatttac atccttgga tctttgaagt tctccgatat gaaggaatgg gaagaatggg 420
 aatgtaaagg tgtgacaagt gctttttcac gtcttcaacg tctttctatg gagt 474

<210> 3010
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3010

tcttctgctg gcaacaatgg atttcaactt gcaagtagtg cagacaacag tacacaaaaa 60
 tataaaagac cgcctgatga tacttcatcc ccctttggat tatctgaaag tgaagaatct 120

ggagcggggg aaaacaaaat aaaagaaaaa gctgtgaatg gaagtgactt tgctatggcc 180
 gcagataagg ctggggcttc tgtgtttcaa atgaggaaga ataagatatc aactgatgaa 240
 tctggagata gtgtgcatag acaaggaaga agtggaagga atttatcatt agtaaggcca 300
 gacctccctt ctggggaggga gaagtcagag aatgtaccaa caatgaagcc agtacaagac 360
 atgaagccta atgataagag taaaacgtaa gctggattta ttnttagatc tagttcatcc 420
 tttctacttc tatttttccaa aactgtcttc ata 453

<210> 3011
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 3011

tctgaaatag tgaattttat cagtaacgat gaggacaaac aaattataaa ttatgtagta 60
 atgatctata actcaaataa actaaaaaga attgtcttga attgcttaca tgccattctt 120
 cactgttttg acatctttat agaagcactg atagaattac acggcatttc cccataaaac 180
 aaatacatgg aaaatcatta aacaaacaaa aatagaaata acaactcatg gatgcttttg 240
 ttagcaaata gaacagagac aaacaacaaa cagtggcaaa tatttaaatt tacaataaat 300
 tactcattac caagacactc tcagcagtca actgacaaga gatataagga gttgagtcaa 360
 tctgatggaa catttagacg taaaagctt cacggcccaa tgatacaggc acccgaaaaa 420
 at 422

<210> 3012
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 3012

ttgagaaaat tcaacaacaa taaattttta ctcgatggtc tgattgagtc atgtaatat 60
 tcaagacgct cgaaattgaa taccgaagct ctgagcaaat tcaaaccaca attacttttt 120
 actcgatgt ctgaatgagt cccgtaatat atcgacacgc tcgaaaatga atgtttatgc 180
 tctgagcaaa ttcaaacgac aataactttt tactcgatg tctgattaag tctcgtaata 240
 tatcgagacg ctcgaaattg aataactaaag ctctgagcaa attcaaacga caataacttt 300

[illegible]

<400> . 3013

<210>	3014
<211>	590
<212>	DNA
<213>	Glycine max

gacactataa	aactcagctt	ctacaagtgt	tctcgagtct	tettccctca	aagctttggg	60
aagaggctct	tgatcttcat	tctcttgatt	cctcaccatt	tttgtgcaaa	actctcattc	120
ttggttccaa	atttctttct	tcatcctttg	aagcttggga	gcatccagat	ctgagttctt	180
ggttcatcca	agcattttca	tgcaagcttc	atcaaggtag	aggggtcttt	ccacttcttg	240
aaccctaacc	ttgttgtctt	tgggaagctag	ccttcattgc	ctgttgtttt	gatgttcaaa	300
tattcgtagc	tattgtcttg	gctggaactg	gaggatacat	tactttctat	tnttattttt	360

ttgaaatttt aaggttaaaa atgatttctt tgggcgtcaa aacttatggt tagcctttaa 420
 attcacttaa atcggagttt aaggatattt tgtacgatcg aatctgtcac gaaattttaa 480
 tgggtgcgtat gactatatgg aattttttcc ctaaagattt gacttaaaaa tgagtttgct 540
 aggtgtgaaa atatagggta gcatgctaaa attatgaaaa atcgattttc 590

<210> 3015
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3015

tccatcaata tgtgtgcatt ttttgaactt tgatcttttg aaaattaaac ttcacatttc 60
 agagctcttt tagagcacia aatttcgngc tcttctcttc ctctcccttc attcatctgc 120
 ttcttctctc cagctcttat acatgacctc ttatgggtggg gagcttcttc tagactcatc 180
 ttctccttga agtgcattct ctctctctct ctctctcttc cattccgctg ccattcatct 240
 tccaagaagc aaaggaatcc atagatgaag aagatcctag gcctacaagc tccaatggag 300
 cttacatcat gtggtatcaa gagcatcttc atctaggaga tgctcttttt ctctctctat 360
 ctctttgctc tatgaagtct ctttaattcc ttgggtcttca tcttattctc catgtatatc 420
 ctacattgtc ttgtgggttg gcgctgctta gagaatattt cgaaaaaaat aaaccaatta 480
 aatctttaat ctacacctgg tttttgcatt tctattgggc agaatttgta gatctactct 540
 tgaatcatgt tt 552

<210> 3016
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3016

tctcaaagaa gccacgagga agcctcttaa tgaagcttct caaggaagct acatgaagct 60
 gtctcgataa aaacgcttcc cagccttcgt taaccgctgg atcttctcaa aatttggtct 120
 gcagcttcac aagacaattt ttcattgatct taccgttggg atctttgaga agatgtctgg 180
 agtatgcgcg aagtttccat tcccagagagc atttctcact tgtgtgtttt gagccttgta 240

gtccaagtag cttaggaaaa atgtcatttc ttctccttct ttcttcctaaa accatttcca 300
acattctaag ctcttttctcc atcaccacaca gccaccatta tccaccacat accaccattg 360
ttctccgtta agaccccaca cggagaggaa cccttcaacc gaagtgaaat ctttcaactt 420
gcctcgcggt ttcggtagaa aacaaaaacc taatctgacc ttctattttc tttgaggtaa 480
ccatgcttct atgcttggtc cttgtttgat tcagcttggtc tttgcatctt ttctgactnt 540
ggaaccgtca ttgcatgttt ta 562

<210> 3017
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3017

attgaaccct ttganctcgn gatctctgag tcacctgcgg catgcaagct ggctcggtag 60
tgaagaaggc tttcttatta tatggaggta aatactatgg tcatttggcc cacattcttg 120
tggggacggc gacaaaagat aagactcctc tcagccgaat gacatgaact cacaagatga 180
aggaaaagcg ggatgaaaac aatgatgcat gtaagtttat tctatgactt tatcaatntc 240
aattttatga tgcaataagt gaaagaatgg tatttctttt ttaaattattg caagtaatat 300
ataatttggg ttggttctatt tttgcgctca cacaattctt tgcttgtagc aagaaagata 360
aagatccctt actcaagctg aaatattcat ttgaactcga canagtgcac atggtaaaaa 420
cccaatggat gtagaaacaa atgatgcatt tn 452

<210> 3018
<211> 284
<212> DNA
<213> Glycine max

<400> 3018

tcaggactaa aacagcattt taactaaaac aaaatatata aaaaaaaaaa cggcgtaaat 60
aatcaaattt gcccctaaaa gtgtcatggg atgacaaatt atttccggaa agatggaaaa 120
tacaaattta gtcccaaaat gtggaaaaaa aaattgacaa attaataattc aagaaccaat 180
tccacaataa gttatattct tcaaggatca attcgaattt gtcattaaat tctctagaga 240

actaatcaca tcttcaggac ggagtttagca tcaccccccc cccc

284

<210> 3019
<211> 260
<212> DNA
<213> Glycine max

<400> 3019

taatgtaatc acttactaac attgcatttt gaaaaccccc cttcaagagg taaggaatag 60
tgagagcaaca tatgtcaggc agtaaatacca gacacatctt gctaccgaag ttcaaataga 120
tctctgcccc ccaaaaaact ttaacattca agatatcaag tacaaaattg catgaaggca 180
tgaatgaata acacagggtg caagtgatca aaaatatttt tcaatacctt cctcacaatc 240
gttaattttg gatttagaac 260

<210> 3020
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3020

ntacaacccat gaacattgtc taattcgttc tttattaaag gaatcattaa attatttata 60
taatattttt taaacactgt tttttttatt tcttttatta ctatcattca ttatacgttt 120
tcacttttta ataaaaaaaa aacatatggt tataaaatat tatgcaatta acatgtcttt 180
ggttaagaag aagattgagt aggcacctat ttagatatg tggtgacaaa aaatatgtct 240
ttgcttcttg gtgattgagt aggcacctat ttgtaattta ctgtgtgtga attgtgagtt 300
aatgattaat gcttgtggtg agtggagaaa aagcaataag aaaagggggg gaacaaaaac 360
agctgtccgg cgtacgggta cgggcgtatt agacagc 397

<210> 3021
<211> 461
<212> DNA
<213> Glycine max

<400> 3021

agcttcacga gctgcaatag aaaaggtttg atttctgagt catgtgttct ctgtaactct 60
cttggttatt aaaatgagtt ttaatttgat gtcttttgta gatgacaaga accgttgata 120

tagaacataa tatggagatt attaaagaac ttgaaagttt gagtggatgc acgctatctt 180
 ataaggccgt tggcggtaga aatggctaca aagttgcatt ggagacattg gataaacatc 240
 agtttgagaa cccatgggag cggcttggtt tatttatcaa ggaagacttc accacagatc 300
 ttgatgagga ggttttgaac ggaggctttg aagaagggga aatttttaac tgaatgcacc 360
 ttcatgcagt tctgccagct ctaagtgttt atatcccttt tagacatgga aacagacaat 420
 tattgtaaat gcacatattg tttggaatca agtctttcga c 461

<210> 3022
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 3022

taacaatatt gcatagtaat tttgtaaaaa aatacaatat tgcataatag tttaaatttt 60
 gctaagtttt acaagtgaag aaaatagggt aaatttcact tttgattctt tattttttta 120
 ttttattcaa tttgatctct tatattttta aaaatttatt ttagtcattt atatttataa 180
 gtagtttgaa atgttccttt tgttagtcta gagttaacca tggtagtaat tcaaagatat 240
 ttcactacaa acaatattgt ttatgagtgt aatctatatt ttataatcat tagtaaagat 300
 aattatccat tctgatatac acattactta ttcttaaatt atcccttaat atatataatt 360
 a 361

<210> 3023
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3023

tcgaatgtct gattgagccc cgaacatata gagacgctcn gaaatgaatg gtgaaccttt 60
 gagctaattc aaacgacaat aacatttttc tcggatgtct ggatgagtcc cgtagcataa 120
 tcagacgctc gaaattgaat ggtgaacctc ttagctaatt caaacgacaa taactttttt 180
 cacggatgtc tgatagagtc ccgtaacata tcgagacgct cgaaattgaa tggatgaagct 240
 ctgagccaat tcaaacgaca ataactttnt tctcggatgt ctgatagagt cccgtaatat 300

<400> 3026

ggaatgaatt tgttttctag caaaacaaat tattatacct atagttcata ttgctaaatg 60
gaccaatcta agttttgtgc ttttatttgt tttttgctta gctagtctct tcttaagtaa 120
tctcccttgt ttttcttgaa caataggtgg cagaacgtaa caatgatcct caattggcag 180
acttcattga gagcgagttc ttgtatgagc aggtaaaact tgcagttgaa ttcatagtat 240
ggttggattt cataagatat aagactcctt gaccattgta tgtaatacaa tactctgaac 300
tctttacgtt ctaaaataat tgggtgtcttt tacacggatc aagaaaataa taataaataa 360
atgaat 366

<210> 3027

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3027

tactttctga cagacatgat tacagaattt atattttcat attggtaaatt ttgatctgta 60
aacctttata ctttataaaa tatgcaaata tagtcttctt tttctaagaa ttcacatcgg 120
tttattagag ttataaaaaa aaagagtaaa tgcataatata ttctaagct tgaaaatcac 180
attattaata aaattacaag atttcaatta caattatgtt cggtgagata tttcagtaag 240
tttctagtat tttttattag ctgaaaaaat tatttgacta ttcgataaat aaaccatntt 300
taatagttct taacattttt tgaaacatta tttagaataa ttttttttaa aacgttaatg 360
tttaactttt tatatnnttt tattnttctc ttgatatat ttattca 407

<210> 3028

<211> 378

<212> DNA

<213> Glycine max

<400> 3028

tcaaggaaca ttcaaacc aa gtgtatttac cccaaggctc aactccaaa gagtccttta 60
gagcctctat ctctgattc aggttcaacc cataaaacat tttatcatgc agactctatc 120
tatgaaatat acaaaataca cgactcctca attattctca aaataatttt aacttgctcg 180

gcctcaaagt aattaaactc gtcaggttcc cacaatgggt cctatcacia tactcgttgt 240
 gtattaaactc gtcgccctta aaaagtctta caattgtgtg attatacgat tcatagctca 300
 caactcaatg cacataacat ctcaatacac atgtgtgata tcataattta acacatactc 360
 aacttgtcac ttgcacat 378

<210> 3029
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3029

ctcatttagt ggatttcagg gttgagaaat gaaaatgaga atggggtaaa tttggagcaa 60
 actctcacct cacacaagtc tataacccta atctaaactt tctcaaactg gttttacgcc 120
 taaaattcca ccaaatcaaa atttgactcc tcaacaccca atttacccta gaaatggctc 180
 ttgccttcac tttggtcatt cattntcctc ctttgtacag cccaagcttt cccgcagtcc 240
 taaatgaaat ttcaaactgg gatttactca ctctaacctc ccattaccac taaatccaga 300
 attggctttt caaatcctca nagcatcata cttttccact catatcacta cattctcact 360
 ttttaaccct agggtaattc tacccttcac ctcta 395

<210> 3030
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3030

ttcatctagt tctaccaaata ataatacagt gtctagctct gatggttgaa taaaatacgt 60
 aagttcttat taaccctcta gcataatatt tttattctca tccataaaaa aataagaata 120
 gcttgatgta tatatactat taattaagaa tttttattat ttataactat tatatgcaat 180
 tacttacaaa agttactttt tgacagaata tctcatatat tgaatctagt tggaacgatt 240
 caaacacaaa cttaaataatg ttttcaaatt atattgagat tgacttttaa aattaaatc 300
 atcaaattaa ttttatgcca aaaaaattag tgagatggaa caagtcataa ttactctgaa 360
 aaagagtnga actttatagt ttttaactttt 390

<210> 3031
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3031

agcttatgca cggaaaatgg tattatgaaa ttgtatatgc ccgaagaaaa caccatttct 60
 agtaaccatg cattangtac catgttcaat tatttttgtt tgggtgtgta tggttttttt 120
 ttttttaaaa atgggtttat gatcccatca tggttggctc atggtgccta acacatgcaa 180
 ctaagaatgt agtgtgaagt ttcacgcttc cccttttttg tttttgtttt gtagaggaaa 240
 acgcaaggat gagcaaacat gaaaacaaat ggtatgcaat tttgcagatc aaaaagcttg 300
 gtgaactcat atgcatgatg atgccatgac tcanaaatgt gaggctggaa tatgataacg 360
 gacaaatgca ggaacgatat gttcattatg atgttatgaa gagatgctta tgcgatgcat 420
 gatatgaatg 430

<210> 3032
 <211> 355
 <212> DNA
 <213> Glycine max

 <400> 3032

tgccaccag ctgcccagg cgagttatgt tgcttctcc agaaggcacc gccttctgga 60
 gaacttctg gaaggtccaa gtgggcctga ttggtatttg cccccctt tttactaaac 120
 acccccctt gccttttttt gctgattcct tttccgtaac gttacgaaaa cttacgaatt 180
 acgtaatgat acttgtttcc tttccgtaat gttatggaac cttacggaat gcataatcat 240
 cccttttttt gccttccgga atgttacgga actttacgga ttgcgcacta aaacttcctt 300
 ttaacttccg gcatgtcaca gaacttcacg aattgtgcta caatgctttc ttttg 355

<210> 3033
 <211> 448
 <212> DNA
 <213> Glycine max

 <400> 3033

ggctgcagct ttaattcaat ctttgaagca tgacttacgc ctaggatatc taagtttggg 60

tttgaatgta aaaaggcatg aatattacga catgttcgag aggctgttgt tagaatttaa 120
 atttggctgc cccatgagga atactttgca tctaggtagc atggaaaata cttttcaacg 180
 gtatgtatat atgtgaatat atatagcatg aaaatgcctt gcataatata gcatgaagtg 240
 ccttacaaag tgttggatgg gtagcgtaaa agtggttttt taaaaaatat gtgtatttgt 300
 gagtaggtaa caaaagaagc cttccaaaaa aatgtgtgta tatatatagg atgtagcatg 360
 aacaggttcg tcaaaaaata tgtacatgga taggtgtcta aaatgctcac acaaaatttt 420
 atgtggcaat acgtatgtgt ataaaata 448

<210> 3034
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3034

ttgcggattt ggtctttgcc agtgaaagga tcgatgtttt tctgaaaaaa ggcaaattta 60
 gtcattccagc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaaggag 120
 aagcccgtgc tgtgactgcc attccaatac agccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa ctttctcctt acccatcgtc cagttatcca caaaagccat 240
 ccctaaaatc aaccacaaag cctacctacc gcacttccaa tgacaaacac caccttttagc 300
 ataaacaaaa acaccaacca agaaatgaat tntgcagtga aaaagcctgt agaattc 357

<210> 3035
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3035

agctggtgct taatcattgt aatttcaaaa ttcattgtaa agatgaactg cccttctggtt 60
 ctgcttggtg tatgggcaag attcatagat ttccttctaa gctttctcaa actgtatata 120
 attctccttt ggaattaata tgcagtgatc tgcagggtcc ttaaataagag taaatctaca 180
 aaagctttct caaacagagc tttattttaa atacgacaaa tgattatata tcaggacttg 240
 aatagagtaa atcaacaaaa gcactcataa taactcaagg tgattgaagg attaagagta 300

gaaagtaact agccttacct tgagagctga aaaggggtgcg ccgacaacca actttcttaa 360
aatcttatgc ggntagatga aggttcgaga ctagttatat atctctaacc ccctcacatc 420
aat 423

<210> 3036
<211> 355
<212> DNA
<213> Glycine max

<400> 3036

tttaggggta ttgactaat gagggtttat gggtagttta ttaattaggg tttagtgtta 60
cttaaccaat tagggtttat gggatattga aaaattaagc tttagtgtta cttcaccagt 120
tagggtttag gattatgaga caatttataa ttacttgatt gatcactatt taggggtatt 180
tgaaatttgg gattcatagg ttacttgata aattggagtt tatgtgcgtt tatctaacta 240
gggttatgaa tacttgacta attagggttt agttttactt gatcgataat taagggttat 300
cgtacttgag taattaacgt ctttgggtac ttgacaaatt atgatttatg attac 355

<210> 3037
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3037

agcttcttat acctatgtaa ctttaaccta cttctgttcc taggcatttc agntgtgtca 60
agaaatctta tataattaaa aatttctgta ttggaagctg ggtgcaaaaa cttcattccc 120
atcccagata tgacttagtc tgtgacgtcc accaggacat attttatgtt atagtaatca 180
tactttactt ttttttacca tagaagtacc taaatgttac cataaggatt ctttgntagc 240
cagatataat aatacaatca tagtcagtag tgcctctcag cctctgttaa tcaattatca 300
gaatgttagt ctaagtagcc tcgatggagg ttaataaaaa aatttataac tatcaacagg 360
gcttggtgca tctagttttc ttactactg ccaataacag aatcttgaca tangcatgct 420
gagaaactgt gacatg 436

<210> 3038

<211> 328
 <212> DNA
 <213> Glycine max

<400> 3038

tcacgcattt ggggaacctc ctttctccac tcgctcatgc tcctcgctg actcgtcaac 60
 gacgataccc cttttctttc tttcactctc gaactcatca tcatcgatca tcgatcatcg 120
 atcatcgta ccaccatctt caatctcttc tttcaggtac cctctctcaa caccacacaa 180
 cctaaccctc ttccttgatt tcttctcttg gcgtttcacc atcattaatc aaatttatgc 240
 tcatgtgtgt gtataactgt gtgagagagg gacatgatgt gcgcaatgaa gtagaaattg 300
 gatcggaatt ggaaagagag tttgtatt 328

<210> 3039
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3039

agcttgccac ccagctcgcc caggcgagca ggtgtgcttc ctccaaaagc aacagccttc 60
 tggaggaatc tttnggaggg cccaagtggg cctgggtgct atttgcacct ctatttttac 120
 taaatacacc ccctttgccc tttntttgga gattcttttt tcgtanagtt acgaaaactt 180
 acggatttcg caacaatact tgttttcttt ccgtaatgtt acggaacctt gtggattaca 240
 taatcatccn cttttttgac ttacgaaatg ttacggaacc ttactaattg tgcaacgatg 300
 cttccttttg atttccggtg tgtcacggaa cttacggat tgtgcatcaa taccttcttt 360
 tgatttctgg catgtcccgg aacttcacaa atttcccaat gatgggtgcc aagcacctca 420
 caaggaccaa acaaaag 437

<210> 3040
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 3040

tagcccaatt caattcaatc tgaattgggt taagcaatag tacattcgct tagcgcatca 60
 tgtttagtgg ctaagcatgg tgcacttatg ctaagcccta ttctttgcag ccaaatcaat 120

ggtttaattg agctaagcgc aacgcatacg cactaagtga acttccttgc ggccctggata 180
 gcgctaagct agcaaccact cgctaagttc atgccccctt gtacacaggg tgcagtatat 240
 tcgctaagtc gactaagagt gcagcttaat gagagttgca ggttttctta tctgcacacg 300
 tcgcttagcg tgctgctttt cgctaagcgc agttttatgt gtaaaaaaaaa a 351

<210> 3041
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3041

gcttgactga gtcatacagag atatanattg tgaccatggg catgagttca atgaatgatc 60
 tctcatctat catctatctt tcaatctatc tttcaatata ttctttcatc tctttcaaca 120
 gatctttcta aantatttct cttcattttt ctaaaagggt ttttcaacac tttctcttcc 180
 cagaaaagtt ntttgggtcaa aaacttgtgc tattcatctt tttcattcac ttat 234

<210> 3042
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 3042

tgcccttggt ttagacatga ttggtacatg atttggtact ttaggattc aatttgggca 60
 aaattggatg agggaaagag tggttttcga aatctgcact ttatgcagaa ttttgctggt 120
 gaaatgtgca gcagaatttt gtataagtgc agaaaaatac ttgtgcatgg ctggttgtga 180
 aaagggtagt acatatgggg ttgtggacat tttctatcat agcccatcgg taaaaatggt 240
 tacttttgta ctata 255

<210> 3043
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3043

aacacacttc aatcaaaatg ggtttggccc taggtgcaca agatatggaa tggaacaact 60

tgatgtgagg atacttttctt acatggtaag ctngaaaaaa aatcccatatg actcatgcag 120
 aaagtnttct cccaaaagggt gaagaaagggc aggtatgctt gctaaaaaatg tcacttttatg 180
 gccttaagca atcacctcgc tagtggtaca aaaggggtga tacttttcatt tttaataatg 240
 gctttaaaag gtgcgagtat gatgggttatg tttacttgan ngacaatgag catgatgcta 300
 ttgtctactt 310

<210> 3044
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3044

tgttgattnt aacgttaagg atgaaatggg aattgaatgg aagacgcata gcaaacaac 60
 aaacagatct ttaattatat aagagtaaaa aatcaagaat atttttgagt tgcttcggtt 120
 ccacattgag cagtctttgc ataagagggg caaatacagc aaactagaag caacaaataa 180
 cgcattcacgt acctttttct gacttgatcc cggaggagtg caaagcaacg tcggtggtgc 240
 cggtgccgga agagtggagg tggcggtccat agttgatggt tggagttaga atgttgcaat 300
 tacaactgga aagaacccat gtgcaagtag aagaagagtc tcataaggta aagctcatta 360
 ataaataaag catctatctt ttgtgatcat tgcatt 396

<210> 3045
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3045

agatggacca tttcatgtgc ttgaaagaat ctttgaaaat gcttacaaag ttgagctgcc 60
 cggtgagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ttgatgcaga 120
 aggagaatcc gattngagga caaatccttc tcaagaggga gagaatgatg aggacatgac 180
 caagagcaag ggcaaggatc cacttgaagg acttgaggga cctatgacaa gggctagagc 240
 aaggaaagcc aaggaagctc ttcaacaagt gttgtccata ctgtttgatt acaagcccaa 300
 gtttcaagga gaaaagtcca aggttgtgag ttgtatcatg gcccanatgg aggaggacta 360

aatgacacca ctttgtttca attttagagt gtttagtttg gctaaataat ggcccaatcc 420
 ttgtaaagtt ggctaacc aaatat 446

<210> 3046
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3046

tgacacagct tttaaacttt caactttgct ttagctatt atgctttgtc aaccagctcg 60
 ggcatatgtt cagttagata aaattcaatt taacctgtg tttggattat gaatttcaaa 120
 atttcaagga atttgaattg ctttgatttt aattttcttc atttttcaaa tgctttgttt 180
 ggataaatca attcaaattt aattttcttc attttaaatt ctttgtttgg atagggtaat 240
 ttaattttct ccatatgcaa aattttaatt ttatatttta aatagatgaa attttaatat 300
 taaactttat agaaaataaa cacaatctaa ttntgaaata ttaattaaaa aatattttc 359

<210> 3047
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3047

atggacataa canacacatc cttattatgt agatcatgac agttgtgatg agntttaagg 60
 agatgaaagg aaagggaatc aatatctaga acttacaatg gaaggcagtt aatcaagaaa 120
 aaaactatag acaaagcttc aaaacaaaaa taaaaggga aaatgcttga agaataatg 180
 tcttggtcac atcaagcaga tcttgattct tttgctcatc aatgccattn ttgttgtggc 240
 atataaggac aagagtattg agatataata cttttttgtt gcaggatatnt ttgaaaatca 300
 tgagaaagat actcatttct agagtcagt cacaagatcc tagtgcttgt gagaaattaa 360
 ttctcaacat atgccatcaa attccgaaac attgtgaaaa ccctaactat agagcaaa 418

<210> 3048
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3048

tgngaggatt gatggggacc cgggtgttgag agaaacgatg atatgggcta cgtgggagta 60
cgtgagctca gttggagggtg ggcaacaggg gatgggtgggt ttatgcgcgc attgtggatg 120
tggaaaactt gttgtgcacc atcgcccgac cgccacctag taccacatgt gatgggtacc 180
ccataatcct acaagcttga gatgaggaag tggtgaaggg tgaaacttcc tgcttttatt 240
gttgaccaca gagtgggtact tggagatatg tcgtgggggt caggagacc 289

<210> 3049
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3049

agctntcttt ggctatctct aagactcana gcatgatagc acgcagatac taatgttgctc 60
ttctacaccc tttgtcaatc gcggccaaca aaccggttga cacatggaga tttacgtcat 120
cttccgcgca gacaaatttt gtcaaactga tactggagtc acgtgacatg cggagatacc 180
cgagtgggta tccgtaacaa cttttgctat ctctaagact cgaagcatga tagcaagctg 240
agtgggtaaa cgcgagata caaatTTTgc gccctttata attcatgaat gacaagctga 300
gtgggtaaac gcatagatac agattctacg ccctttatca ttcaggaacg acaagctgag 360
tgggtaaaaca tgcagataca gattctacgc cttttatcat ttaggaacga caagctgagt 420
gggtaaacgc atagatacag actttgcgcc ctttatca 458

<210> 3050
<211> 382
<212> DNA
<213> Glycine max

<400> 3050

tctttgtttc agatgaggca gatgagtttg tagctacctc atgctgtgag ttttaagcca 60
tctttctaat caagtttctg gcttcagtag gagtcatgtc tccaagggct ccaccaccgg 120
cagcatctat catacttctc tccatattac tgagtccttc ataaaaatat tggagaagaa 180
gctgctccga aatctgatgg tgagggcaac tggcacatag ttttttaaatt ctctcccagt 240

attcatatat gctctctcca ctgagttgtc taatacctga gatatccttc ctgatggccg 300
 aggtcctgga agcatggaaa ttttttttct aaaaatactc tcttaagggtt atcccagctc 360
 gtgatgaacc ttggagcaag gt 382

<210> 3051
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3051

tgatctcttt taaaatgtag atctacaaa atcctgagac taattttacat ggcacaaaa 60
 cactgtcaca aacaggcttt aatgacagaa atggattgcc taacccccctg cctgagaaaa 120
 caactgccac atatagaata taactgtctc gtacatgcct ataaaaaaaa actgtcgtac 180
 acaaattatg actgcttttt atttttactt tttgacatga accttcaatt agaaatattt 240
 gcttacaaaa aaaaaactct acttttagaaa tatcttacac tttngcaatt aatgatttag 300
 ctatccctaa gattaacttc aacatgcctt tggactaaca aaaatgaagn tactcattat 360
 ctatatccat ttctgactag accaagttct aat 393

<210> 3052
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3052

gacactatga aactatgcat ctcagctttn agagcagctc cacacctaca tttctccatg 60
 atagaagaaa aataaaatgt cttgatgagg aatgtcctct taactggtag ctagttcttg 120
 tttgaacctg agtctactgt tctcttaact gatatggtat atttaaaatt atgcttttgt 180
 gattataaca ttattttttt gggcatgctg gctttttttt tttttatcta attatgtgat 240
 atgagaaaaa cattctactg aaaaagaaat ttgttcttaa ggtgattata atttctgtag 300
 atttttctta caatcacatt ttgtttacta tactaacttt aaaatttttg ttttatagat 360
 tttattgtag tggtttacat tatagattct ttacaggctt gggacatctc atg 413

<210> 3053
 <211> 209
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3053

agaagatggt gagaggacta ccctctatta accaccttga tcaactctgt gaaggatggt 60
 tattggcaag caatttagaa tgagttttcc agaggagtca aacgcaagag ctaagaagcc 120
 acttgagcta atacatgctg acgttngtgg gccaatcaag ccaagctcac taagtaaaaa 180
 taactatttc gggcttttca ttaatgatt 209

<210> 3054
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 3054

tgcacaataa gtaattaatt ctattttttt aaaaggaagt aactaactaa ctaacttcca 60
 ctaatatata gaggactac tcataagaaa gggatgagaa ttgattaggc ccatctaatac 120
 tacctaataa aactaacaaa gctcaaactt gcagcccaat tattcaagtg tagagggttac 180
 aacttccaag ctcaatttga ccctcgaaat gacagaattg gccgaaactt atttgtgact 240
 taattgaatc tctttttctt aaatttccat agactactca catgctccat ttgtagtttt 300
 gtagtgcct ataggcccta cataaagcag atagggtcaag taagcacaaa atctaaaaaa 360
 tagc 364

<210> 3055
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3055

agtcatttat gatcaggctt ggaaagggat tgatganaat aagtgggtcca agatattttg 60
 agaatggcca aaccaaagggt ccttgcgttt taataagaac ctcttcatgg tctaaatcca 120
 ggaaggacca ctttcagaaa gaaaattatt aactnnttta agaaaaactt ataaaccctt 180
 atttgaaaaa aggtaaaaaac ctttntaaaa gagttaacatc ttttgatatt ttnttttcag 240

aaacagtcac tggtaatcga ttaccaaatt agtgtaatca attacacaaa gcttttgagt 300
gaaagaatgt gactcttcac attntaaatt gaattccaac gttcaaggac actgggtaat 360
cgataccaaa acattgtann tcgatacaac cttttgaaaa taattggaac attgtaaatt 420
cagtttgaaa actttntcaa actcattttg ctactgg 457

<210> 3056
<211> 199
<212> DNA
<213> Glycine max

<400> 3056

tagggatgga atacttactt gttggtgatt atacaaaatc tcaaaacgga atcaaaaaat 60
gcgaaaaagg atgaccctaa ggctgcaaatt tcgtcaatcc cgcgggtatg gcttttgaaa 120
ggggggaaaa gaggtttttg aatgtaaaaa cgccccccct ttcgtcattt ttataatttg 180
gtgcacgggt ggctcaata 199

<210> 3057
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3057

agcttcgtca ttcacctata tgntgtagca agtttgataa tgatgtcggg tnttcccttt 60
ttatacatta cgttttaaat ttaaagatat tctatatact tctcaatagc aacataattc 120
ttattactnt tttacttcta cttttgggta aactaaatca ctttttatat attttattac 180
ttacggtggg ggggcggngt gttataaagg atgaaacttg atcataagtt ntgatttatt 240
gctagactcg gtcgcagatg gccagatggg agtattggag tacctccaca cactgataat 300
atattatgat cataggatct aaactcttca tt 332

<210> 3058
<211> 350
<212> DNA
<213> Glycine max

<400> 3058

tttattagcc agtattatTT ataaaattat tacaaaatTT aaacatatTT attataggaa 60
 aacgtataaa atatgataaa taacataatt agctgtctct tgataaataa caatattctc 120
 aagagtatTT aatTTTTaat taaagaaaaa gttagtTgcg gagaggccca agcctcttgg 180
 tcattggtcc tccctccctc atctatctct attcttacac gcttatttct tattttatTT 240
 taagaaaagt taaaaaagga tccacggtgg gacctgaatg aaaagaagga ccgaatcttc 300
 gttaaagcgt agatacagat aagccttTtg gggTtgacgc gttcatcacg 350

<210> 3059
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3059

agctTTTtacc agTgcattaa aaaatctcca ctctatctca naaagatctc acctctattg 60
 gcaacctcca tgcataaatg tatgtgaaag atcaagtcac tgcctacca cctggattgc 120
 acatctcaag ggccactaat gttaagattg ttgctgacaa ggggtgtcca tgactaccta 180
 tatgggatgc tTTaagtTgt actacaatga agagatgcct tcttcaaggc agatgaagat 240
 ggaattggTc aactacccta gaaattggag tTcattgtTc aataggaaga agctggTtgcg 300
 tgatcttgat gcttacaatg tatgactTtc tggaatcaaa tcttatggac gaacactcag 360
 naagcctaca cctctagtta tgatgg 386

<210> 3060
 <211> 384
 <212> DNA
 <213> Glycine max

 <400> 3060

tgccagtgtt gatgccaggg gatgatgtgc caaagTTtat agccatgccg tgtccgtgcc 60
 agccttcaag accagacagc atcgTtgTca ccgtcgaaat ggagaagcca ccgccc aaac 120
 cgccgcaact accagtccct ttctattTgt aattagctgc ttccaaggTt tcaaaatggg 180
 ccaagattct tctccacaac cacaattTtc aaaatatcaa ttatcaaaga tcacagcgaa 240
 tcttctggaa ccacagtatc atagatcacg acaaaactTc tgaaacctaa atttaaaat 300
 cttggctagt tgtgctactg cttctcatca catgtTtcta tttcccacca tttgtTgtac 360

taatgtatat tcattttgtt cacc

384

<210> 3061
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3061

agcttgtcac ccagctcgcc catgcgagca tttatgcttt ctacancagc aacagccttc 60
tgagggaatc ttttgagggg cccaagaggg cctggatgct atttgacct ctattgttac 120
tacatacacc ccctttgccc tttatttgga gattcttttt tcgtaaagct accaaaactt 180
acggatattc gaacaatact tgttttcttt ccgtaatcgt acggaacctt gtggattaca 240
taatcatccc ctttattgac ttacgacatg atacggaacc ttaactaatg tgcaacgatg 300
cttgcttggtg atttccggtg tgtcactgaa cttacggat tgtgcatcaa tacctttctt 360
agatttctgg catgtcccgg aacttcacac atcttccaat gatgggtgcc aagcacctca 420

<210> 3062
<211> 355
<212> DNA
<213> Glycine max

<400> 3062

tagcccaatt caactcaatc tgtattgggt taagcatgag tacattcgct tagcgcatca 60
tgtttagtgg ctaagcatgg tgcacttatg ctaaacccta ttctttgcac ccaaataat 120
gggttaattg agctaagctc aacgcatacg cgctaagtga acttccttgc ggactggata 180
gcgctaagct atcaaccact cgctaagatc atgccccctt gaacacaggg tgcagaatat 240
tcgctgagtc gactaagagt gcagattaat gagagatgca ggttatctta tctgcacacg 300
tcgcttagcg tgctgctatt cgctgagcgc agttttatgt gcaaaaaaaaa aattg 355

<210> 3063
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3063

tgatgcatat ctttggtgta ctttgccatt gacattgata catctttagg gcatacccat 360
gtggcagagg cacttataaa tccaattcat attntnttca caatgccatg gacgtaag 418

<210> 3066
<211> 397
<212> DNA
<213> Glycine max

<400> 3066

tcatgcaact ggaacatgga aagaagacag tatatactat gcattgaaga tttctcaaac 60
cttatcacc c atacggcaa ttaaagaaag cttttaatgg aagccaagag aatgaaagta 120
caccaaaaag ccttaggctg aaataaagtt tatgattggg taaaggacat cgtaagtatc 180
tttggaaga acccaaagaa ggaatcattt gagaagaaca tatggaagaa aaggtaata 240
ttctttgatc tttcactatg gtctgatcta gatgtacgac aatgtataga cataatgcat 300
gtcatgaaaa atgtttgtga tagtttaatt ggcaccatta acattaaaga caagacaaag 360
gatggtttga aatgtcatca atatttgatt gacatgg 397

<210> 3067
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3067

ttaagtcacc tgcggctgca gcttaagaaa agatggctag anattcttat tttccgaagg 60
gaattctatc aatagacctc caatctttaa tggagagggt accactactg gaaaaccga 120
atgcaaattt ttatcgaggc aatagatcta aatatctggg aagccataga aatagggcct 180
tatataccca ccatagtaga aagagtttca atagatggta gttcatcaag tgaaagcata 240
accatagaaa aacctataga tagatgggtcc gaagaggata gaaaacgagt acaatacaac 300
ttataagcca aaaacataat aacatctgcc ctaggaatgg atgaatattt caaggtttca 360
aattgtaaga gtgctaagga aatgtgggac actcttcgat aacacatgaa ggaactacag 420
atgttaaaag atctaggata aatgcactaa ctcatgagta tgaatta 467

<210> 3068
<211> 393

<212> DNA
 <213> Glycine max
 <400> 3068

taaaggggtgt gcagtgttgt aacaatgatt tacatttata gaaacatatt catccaaaag 60
 cagtaagaaa ccacagatgtt gcaaaaagca tgttattgct tctttttctt ttatgctttt 120
 tgattaacta gaaacaacat taattgaatc cttactgccg ggttgctttt caggttcagt 180
 tgtattgctt atttcccttt agggaaaactt ataaccaaaa tgcttcagga aggtcttttg 240
 gccgagatgt ctattttttt ttttaagtga tgtgctctag ttatacatgt atgcattcat 300
 tagtaatatt gattattttac caccttccaa aaaataaatt gattattttac catcagcata 360
 ctaatagcta catacaaaaa agtggtttgat gca 393

<210> 3069
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3069

gctttattgt cggtcgaaaa cagaatatna ttattgagaa naactgtagc ttgcatttga 60
 gaataaaatt atcactacca tacatattta aaatggacct caaaggccaa cttgcatgga 120
 tatctactat aaactanagc taaagaacca ccccataata ccctctacaa caacatgtca 180
 gggacagtac ctaataactt ctaggggtatc tattacactg gttagtttat acaattaaaa 240
 aaaaatatac actatgaaga ataatgttac atagatgaaa aggaccaat attttccttc 300
 ccatgcaaac cagaaatctc tattggatgt gttgttttaa tgctagagcc agtcatgaca 360
 tgatgatttg cagcatgaaa gaatacaagc atatatacat atgtcatatg tataccacta 420
 ctgtatgtac atatacatat gcatatgggc tttcatatg 459

<210> 3070
 <211> 369
 <212> DNA
 <213> Glycine max
 <400> 3070

actcaagctt tagtcggatc gtaggagtat ttagtggtgt aatgggtttt gctttattta 60

tcaagtttgg tcggctgttc acaggcatta tttttttaat ttacataagc agaatttcca 120
 acccaaaaaa attgaagctt gtgaagatat gtcaatatct ggttacacag tctaaatctt 180
 aattatgatg attaaaaaaa cattttattta ccatttagat taagaaaaaa gtgggtatat 240
 ttactcttac ataggaggca ttatttatat tctctttttt aatatatgca tttcacatat 300
 aagtaaaaaa aaaatctctt tcaatgatct ccaactatcc tcctttatca agggatttaa 360
 ctcatatga 369

<210> 3071
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 3071

taagtcacct gcggcatgca agcttgtttc ttgatttgac atataaggat ctatgtgctc 60
 tttttatctt cctcagatgg aacaataact gctttatagc catcaagtat ctctgcccac 120
 aagattgcag aaaaccatac aatcagctat tcttggtaga taactattct tttgtcatac 180
 ataacgaatt tcatataagt gacagttatg tataaaccat ggcttaggat ttgaaaaggc 240
 tatagatgat atgcctgcca tttccacagt atcaactaga ctaaggtaaa tagctcatgt 300
 taaaaggaaa tcttatttac cctgttcatt tgccatatca agaaaagcct gaagcttaat 360
 agcccgcgg tagtacatca ttccccttac tgcattaatg tataagtaca ataggaacaa 420
 tattaatcca ccaaaccctg tctgtg 446

<210> 3072
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3072

tgggaaagtc cttctgattc tgtttataca tttttgactt tatggcttta tatgaagtac 60
 aaagattaga gcttttgcta gttgttatta atgaatagct taaacacttg tgcgtgagtg 120
 aaacaatggc cgtgagactg tggtttttagc tactttcctt gatatttgct ttatgcctaa 180
 cttcatctaa ttggtcaggt tacattttat tcttctcttt ggataactgc atgtcttgta 240
 aaagacaagt gatgagggca ttttgcttca ttctcttata atgcaatcaa taacttttgt 300

tgcatcacacc tttgtacata gtaactgcat gttattgtca cttggggacc aatgaactgt 360

<210> 3073
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3073

agcttgccta attaacctaa anatgagaga natatattat tgaacacaca aattgaaagg 60
aggctcctact gagcgacttc cgtttcttct tgggtgcggct tcatctctcg gtcctactga 120
gcgaccatcc tttctagctt aggggggaaat tccatacctt cgtcttcttc aacctcaggc 180
cgattcacat ctcatcctaaa atcgatggta gggctctcag tattagtacc ttcacaggac 240
tcgtgatctg atctgtatcg tttaaagcga acagaaaata aacatgcaaa tgaatgagaa 300
tgggtgaagg ccaagaatag atgaaggaaa gatctttata ttatattttt taatagcgaa 360
agacataaca ccttaacaag gagagaaacc ctaaagccta tgcccagctg taggggttaa 420
gctaaagcat taca 434

<210> 3074
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3074

ntaacctcat cgtctctcac agtctttaga tttgggagcc aatccagctc ttgtgttcgg 60
actcttagcc acttatgata gccgccgatg atctcattac tgcttcccct aagctctctg 120
tcctttcttc acgccgcac ccattgcctt cgaactcctt ggagtaccct cgcgttgtgg 180
tcactgaaac ctctgtcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg 240
ggacatcctt cgccgctctt ttcacatccc cggtcgaacg tgcatacat ggccaaaatg 300
gcgacgaccg ggcttttctt gccatgatga aaggcgagga aagcgtctat cgctgctatg 360
tacactaacc ccttccatat tcgga 385

<210> 3075
<211> 410
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3075

agcttgcttg gggngcttct atggagacta gatctttgag cttaaagtga ggccttcaat 60
ggtgattttc caccatggag atgcagcgga agacaaaaga gaagaggtga gaggaggcgt 120
catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
agaagcttgg agaggatgct ttaatggagg aaaagaaaga ggggggagca tgatattgaa 240
ggaagaaaaa aaagggagag aagttgaact ttgagttgtg tctcacaaga ctctcattca 300
tcagagttat aacaagtgtt acacatgctt ctatctatag actaggtagc ttccttgaga 360
agctttctta agaaaacttc cttgagaagc ctctttgaga aaacttcctt 410

<210> 3076

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3076

tcagactaaa gcaacacaaa atctatgtat ccaaaacccc tcaatttaat ggattttcaa 60
ggtttgagaa gtgaaattga gaatggggta aatttgagc aaactctcac ctcacacaag 120
tctataacat caatttaact tgttcaaact ggatttacac ctaaaatttc accgaaccaa 180
aatttgactc ctcaacaccc aattttaccc tagaaatggc tctttgttca ctttggtcat 240
ttgtttttct ctctagcaca gcccaagctt tctcataagt cctaaatgac atttcaaact 300
aggattaact cactntaacc tccaaatacc actaaatcca gaattgggct ttcaactctc 360
aaagactcac tctttttcca ctcat 385

<210> 3077

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3077

catgggtgga atatagatta ngagtttcaa actaatgaat tggataaatt ttttgaattg 60
aatggataa tcattaatcc atttatgatc cattaaaaat gtactacaaa aatctaattc 120

atccataact tatttcataa aaaaaaaggg tccaatccat ccattatatt ttatTTTTtct 180
 aaaacaaaagt ttaatattta tacacattct tacacccaaa taccatagaa tccaatattt 240
 gtctcataaa gacaaacggg tcattgtcta tccaatagca aatggatgatc caattcaact 300
 aatctatttaa gggtttatTTT tataattgaa tagattgatt gggttgattta tacgtgatgg 360
 atcggacggt tagtggataa acagatngaa tntccacata tg 402

<210> 3078
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 3078

ttacatgtca aattcttgtt cccaccacat tatgagtttt taagtttaat gggcagcatg 60
 ttgatatact gaaagattca atgttccaaa tgaataataa tcaagtggcc tagtgcattct 120
 gaatttttga taatcaaatac aatgcataag ccctttaagc atgttttgat gtcctagaaa 180
 tagtagattt ttaacatttg agcaagaaaa tcaaaacata cagtcattcac tctgttgct 240
 gcactgacac cagcttcacc aaacatagca gttgctgctt cagtgcacaag agcagttgcc 300
 ccaatattga ccaccctgca tacaacaaaa tactagcatg agaaacattc tatac 355

<210> 3079
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3079

agcttatgaa cccatactag tcgcttcaat gctttgaaac angttctttt ttggctctag 60
 agctagaaaa acatgacaac tacgactttc ttgtgagaga tcttgctcca atttgggtag 120
 ccccatgtat gatactttac atagaggttag catggaaaac accttgcaat agtgtgtata 180
 cataggtgaa tattagaagt atgaaatccc tagcaaagtg tgaatgattg tcttcctata 240
 tgaatgtctg atagtgtgga atgccttttt tgaatgcaaa tatgtgcagg atgtaattat 300
 tttctcatta tgcataataa taaataggag tgaaacacta aagacttgta tgggtgactt 360
 cacctgtatg taatgtagtt gttgatacag atgtctatga tataaattag gtgtgaagtt 420

<210> 3080
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3080

tctgttggtc aatttcgaac gtgtcgatat attatgcgtc ttgaatcgta cctccgagtt 60
 aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaattacg accgtctcta 120
 tatattatgc gccttaatcg gacctccgag tgaaaagtta tgaccatttg aattgggtcaa 180
 gagcttccat tgttcaattt cgagcgtctc gatatattat gcgcccgaat cggacatccg 240
 agtgaaaagt tatgaccatt tcaatttctt gagagcttcc gttgttaaata ttcgagcgtc 300
 tcgatatatt atgtgcctga atcgagcctt cgaggttaaaa gttatgacca tttg 354

<210> 3081
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3081

agctntgagt tggatatctgg tcttagaatt aattttgcta agagccaatt cgggtgtggtta 60
 ggcaaattctc aagattgggtg tagtcgtgct gctgattact tgactggag ccctctgcag 120
 tttcctttct tgtacctagg gatgcctata ggtgttaatc ctaggagg 168

<210> 3082
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 3082

tgtcccctgc tctaacggca ctatccact aatccctttt ctacccttac gcataatctt 60
 gaaggtaagc tggcctcatt actctccttt tgggcttttc catattctgc acctctgctg 120
 aatgttctct ttgtaccctt actctgtgat ctgtgttttc cctatcatcc cgcggccctt 180
 gggaaatcac cttgtcctca aggtgatagt cattaagcaa agcagaccaa tcctcccaag 240
 acgtatcatc tggggataag ccatgccatt gaaccaagac ttcccaagct tctgaagggg 300

ttctgcgata atccacaatt gctgccggag tgagaagggg ttgatcatta tgaaattgag 360
cacgtagagg cgcgaaggaa gtgatgt 387

<210> 3083
<211> 337
<212> DNA
<213> Glycine max

<400> 3083

tggcctagcc cacatcacat gttatgtgca atgcaattgc atacaaatgc tgacttttcc 60
ttttaaaaaa ataataaaac aaagatattt gcggggtccca tgttgctcaa aacgtttcgt 120
tatcagtttt cacatcttct gtaggtacat gaacatgtcc tgcaagggcg agagctggcc 180
catttgatac tgaacagtgc caaaaaggta atcatccacg gaaaggttat tatcgtccaa 240
gtaattaaac tgacaatcaa acgcggtttc tagcttttagg tccagatcat cgttccactt 300
ggggtcgctc tgcacctccc tctcgcacgt gacatcg 337

<210> 3084
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3084

agcttgata aagcttcaag tggatcatca tcttattaag gggcgaaaca cgattcaagg 60
gcttgcaacc atgggtgtca aattctagag tcaacttgta gactcttacg agattaagag 120
tttaattggc ccctatgaat gaaattggaa gtaaaactcat ttttttatca aactcagagc 180
agactcggtg aactcgtgtt agactcatgt aaactcgga gtctatccc agtcacacgg 240
gtttagttgg gaattatttt ttttggaat aaaatcgaaa gtaaacttgt tttgtgccca 300
ctgcatcgtg aaaaaagttg atcgcgttta gggattattc ttcttttggt ccaactctga 360
ttgtcccaat ttgtccctgt tcttcattca tgacgagttg gaggcttaaa gctgntcagc 420
agcagc 426

<210> 3085
<211> 347
<212> DNA

<213> Glycine max

<400> 3085

tctgcatggt tagagatttc tagttagaga atgttttatt cgggttgctt ggggactgga 60
cgtaggcaca aggggtgtggc cgaacctgta taaatttgag tttgcacttt cttttccctt 120
aatctccttt atttattatt gctttatatt catattcaaa ttgttttatt tgaatcaata 180
tttaagaaga ttgtcattaa gggaattcat aacttgaata aaaagtgaac tacattttta 240
attggggaag tagtttggaa tatcttaatt caaccccccc cctttcttaa gatattctgag 300
gccgcttggt taacaagtgg tatcacagct ttattcttgt ataaagt 347

<210> 3086

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3086

attggcaatt ccaactgcat caatgcatct ttaacaagca taccacgaac cagagcagca 60
accaagttga ccttcttttg actctaaaat accatagaaa acaaggtatg taaaatgtgc 120
aactagtcag atattaatca gatccttctt aaaccataaa ttaagggcat ttccacagca 180
naccagggaa ggcatattcaa tggctaaaaa attagatgcc aacttttctg caaaataaca 240
tgttgggttaa aacacagaaa tttcttagca tgtagctagg cagtggcacc acatanatgt 300
aacaaaacat tgtaattttt caatatttat gttatggcta agctgaacat acttgtgata 360
atacttatgt tcacttttagc atgcatact 389

<210> 3087

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3087

aactaagctt cataacattt agctagaggg agtgtgctag aaaatcttta aaacatttta 60
atatcataga caatagactt tattctttgc tatatcaaat gatgaccacc ttcaagggtca 120
catcaactat atttgtttgg aacttttcac aatatggaag atgacgaaaa aatgctgata 180

gtgaccacaa caatgcaaaa ttttataata gtatgttaca acggcctatg gggagaggaa 240
 aagaaggaat ataccacggc cggggccac gatgcaacat actaccttaa tcacaaaata 300
 aacattatgt tgtcactcac tatggaattn tgcaatccac aaacaacaac atatggggag 360

<210> 3088
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3088

atcttcttgt tttctaagtc ttgacaaaca acaattcatt caccagtttt ttcaaattca 60
 aaaaggacga accaaaagta tatcatttgg atctatggta cgatagatgc cagcaaggtc 120
 ccttagagtg atgttcttca agctaggaat ctaatctatg gcagagtcta gatgaccatt 180
 tgtcaaatag tttgcatttg aaaaagaaga tcataataga aaaatattaa tacatagata 240
 tcataatcat aagggaacttg ctaattagta tacttgggta ttagttaaaag aactaaaaga 300
 agaaaatgat attgcttatt gaattacata ctacactgct atngtaagac atagtctgct 360
 tttccacaat tatgtttacat ggtaggtaga gtattaatga caactgagca ataataagatt 420
 gaaccctt 428

<210> 3089
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3089

gcttgtgcat tcaatatacct gatgaggggtg ttccatatgt tctcaagact gttctaatac 60
 attcgtgccc caagcatcat ggtcttgcag gtgaagatcc tcataagcat cttaaggagt 120
 tccatattgt ttgttccacc atgaagcccc ctgatgtcca ggaagatcat atctttctaa 180
 aggcttttcc tcattctctg gagggagtgg caaaagattg gctttactac cttgctccca 240
 agtccatttt cagctgggat gaccttaaga ggggtgttctt ggagaaattc ttccctgcat 300
 ccaggaccat tgccatcaga aaagacattt caggcatcan gcaacttagt ggagaaagcc 360
 tgtataagta ctgggaaaga ttcaagaaat tatgt 395

<210> 3090
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3090

gcttgtgact gtaatagtat gacataacca cctataactc taccattctc tgatgatttc 60
 tgacatagnt ctctgtacag gttttctaaa caagcaaaac cccaactata tttttttatg 120
 ttgtcaaagt catgtaatag gttcaaatac attagatgaa ctctatttcc agatttatca 180
 agtattaaaa agccaccaat tatgtacatt atgtaagctc tacacctaca ttgtagttgg 240
 ggtattgttg gttcttttagg taatggtgtg cacaagatgt taagcaacca tgtcagcttc 300
 agtgtggctc cttacatgc attatttggg ggcacttcac cgagtaactc gtcgcataac 360
 taatcccaat gtaagaagct aggtcctgtc acaacacaac catcgaccct aatgcctaga 420
 tgcagtgcaa catcttcaag tgtgatagtg cactca 456

<210> 3091
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3091

tgccacccag ctgcccagg cgagcaaggt tgcttccttc agaagcttta gtcttctgga 60
 ggaaggattt ggaaggccca agtgggcccag attgctattt gtacccctt tttactaaat 120
 gcacccctt ctattttttt ggtaattctt tttccgtaac gttacgaaac tgtacgaatt 180
 ttgtaacgat acttattttc cttccgcaag gttacgaatc cttacggatt acatatttac 240
 tcttttttag ctttcgaaga agttacggaa acttacggat tgcgcaaaaa tacctctttt 300
 cgacttccgc cacattacag aatttcacgg atagtgaag cttgctatct tttgatttct 360

<210> 3092
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3092

gcttgagatg aggaagtgct gaagggngaa acttcctgct tttatgggtg accacagagn 60
 ggnacctgga gatatgtcgc ggtggtcagg agaccttggg gacgtcaggt ggggtgctat 120
 tgcccaaaac caagcttgac caatcccgac ccaacccggg catagtcggt cagtgagaac 180
 ctgtgatgta cctaagcagg cgagctcctt gcagtcaacc gataaaagga aaacaaagac 240
 cacaaagcaa ggaggcttgt ggtggctgac cagctgtgaa tttgtgtgat atgtggagta 300
 tagtctctgg taatcgatta ccaaggggtg gtaatagatt acaaggctta naaatgaaga 360
 caggaggcta agatgggtctc tggtaatcta ttacca 396

<210> 3093
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 3093

tgtccacaaa aataggtttt tgaaagttaa tcatttcac ttttactat agtaaaagga 60
 tcatttttaa ggtccaacgc cttaaaatga tcacctttca agtaaaaaag agtcacttga 120
 ttcacgcata agaaagaact atgtaggtat gatttcctca tccaattga ggaatacgta 180
 gcagtaaagg gaaataccct tgtcgacccc aaaaagagaa aaaatataaa aagggtataa 240
 aggatataag gacgtaaaag ggaacataaa aatctaagtc atgtttgcac atttgattat 300
 aggctgccgt ctcttatgac ggacgtgtgg ggtgctaata ctttcccat gcgtaaatac 360
 aact 364

<210> 3094
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 3094

agcttgtctc agcgttggtg cgagacggag actaacatgc tagctatcat cgccaagtac 60
 caagaagagt taggtctagc cgcgccccc gagcatagga ttgcggacga atatgcccac 120
 gtatacgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgtttgtta 240
 gccaaaggcca aagcgatggc agacacctac tccgcccccg aagagattca cgggcttctc 300

ggctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ttaggaaact 360
 tgtatgggtct ctcagacctt gactagatat gacttccttt ttgaaataaa atgagttgggt 420
 cccatgtttc tactccaaaa aacttgtgca aatcaaatca cttcta 466

<210> 3095
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 3095

tctagctcta taatattata ttctatctta ctttcctttc tctctctccc ccatgttctc 60
 ttcactttcc ttctctctcc cccatgtttt gtctttcttt cttttctgat tacgcactca 120
 ctcacatgca tgtgtaacaa ctaaaataat taatataact attttaaaac cattactaaa 180
 gctttttttc ataatagcgt ttttagcact tttattaaga caaccctaac actacaatct 240
 atatcccggt catgtcatcc catatgtggc tagaggtttg tattgtgttg tgggtcaaggc 300
 tgcttacgca ctagtgttcc tgatgaaaca ctacaatttc tacagttgcc actttagaat 360
 tttggaaaat caactaatgt tgttagcact ctaaatt 397

<210> 3096
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 3096

aggctgcagc tgcccagaga agagtcacgg agatttctta ccacctcaca agactggaaa 60
 gcgggtttcta atgactcctc tacggcctcc acataaggca tagaggatgg gcagctcacc 120
 aagatgtctt cctcgctga tatgatgacc agatgccctt ccactacgaa tttcaacttt 180
 tgggtggagt tagaggggaac aactcccact gagtggatcc acggccgccc caacagacag 240
 ctgtaggggg ggttaatatc cattatttgg aaggtaactt gacaggtgtg agggcctatc 300
 tgtaccggga gatcgatec cccctaacc tctcgccggg tgccgtcgaa ggcacgaacc 360
 accattgaac tcggctttag gtgggaagca ttgaatggta atttctccaa agtgctctta 420
 agcatcacgt ttaaactgga accattatcg a 451

<210> 3097

<211> 378
 <212> DNA
 <213> Glycine max
 <400> 3097

tgagtcacag ccgaaatgta aaagaaatct acattattta aacactgaat gtggacccca 60
 tccacttgat ggggctaaaa ccacattcga actgagaatc acaagacaag acaaaaagca 120
 actaaaatat ccagctaattg caaccaaaca aacctaaccg aaagctacag tttcaaaggt 180
 atccaaaagc aaatttaaac cagaaagcag cagaagaaac tatatgaaaa agagaacacc 240
 aaatccatca tgcacaatat tgcattctta gcttttctat agatcatctc catgagatcc 300
 atttccttct tcatctgaac ctccggcgcc atctccatcg caacatcata accccatgtg 360
 ccattctcca cagcagca 378

<210> 3098
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3098

agcttggagt tggtatcttc gtgagtctag gtttcaactc tctcatccac ccaaaacaca 60
 tgtcanttga accattcaag agtatcaaca taaggcgatt ccaaaagttt cctgagaccc 120
 taacacacaa caacacattc acattaaccc taatccagtt caattcaatt gaatcaatca 180
 ctattaggtt caaacaaaaa aaaaggaaca tttaaaaccc tcaccggaga tatcggcaaa 240
 caataaaagc ccctcttttcg aaagtgaatn tggtggagag atcgaagact tatgcggtta 300
 gggacacgac aagaatcctt ttttcgaaga cctcgacaaa aaacattatt gatgctttca 360
 cttagggggc aggtcttttg ggattgacga tgctaacact nttgaatcta ct 412

<210> 3099
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3099

acctatgcaa gactcaagct ttagcccttt accatcctcc atatgaactt tccaatttat 60

cgagtagtta catttatata ttcatttttt ttcacaaaag tgacagtaag gtttgatcat 120
 aaaactttgt ataaactatt taatttcct atcactagac tgatttagtg gacatatatt 180
 tactctttct ttcacttta ttttactgca cttttttatt ntatttttta tcataccact 240
 tattagttat tacatctata actttcttta taacaatcaa atccgcccc aaaatgtgtt 300
 tatgtttata tttttcgttt actcttgttt gtaggttttt attctttccg atgtaatgct 360
 ctttttttta aagatggaat ggaaaa 386

<210> 3100
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 3100

tgcaacaatg cataaccagc taatgggcat tagcaatttg tgtataacaa acgagggctg 60
 aagcctcact ctatacttaa ccactcaaga cagcttattt accaataaca gtgcattaac 120
 tcgcatataa gaaaaagcaa cgctatctct cattagagag aaacaagttg acctgtagct 180
 tagccaccaa aacagaacca tcacgatatc tgaaagcgaa accgccataa c 231

<210> 3101
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3101

agcttcgtat ccaagacatt ctctnggggg tgtatcttct tcttccatgg cttattccct 60
 aggggatggt gcctcctctc acctcttttc ctttatcttc cgctgcaact ccaaggctga 120
 naatcaccat tgaaggacct cattgaagct taaagatcca gcctctatag aagcttctca 180
 agcaaacttc catcattcct taactccttt gttaatgaac tacttttcat tatcggagat 240
 canagtgtta ggaatttcca aatggcaaac aatgttnttc caaatgaatt tttgaacatt 300
 ngttgctgaa atgggtgctat aggtcaggc tcgatctatt ttgtgaaatg atcaatgcca 360
 actaggagaa actntacttg tccttttgca ngggaaaagg tccaagtatg tctactaccc 420
 aagaggcgag aggccatga 439

<210> 3102
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 3102

tggagaaaat gccaaactaaa aagtgaaatg aaggaagttt cttaaagata agagataaaa 60
 gaaaaagagg aaacgattga ggaagagaaa gagaaagatg aagaaagaaa agatttacga 120
 atagaaagag aaagatggag aaagaagagt gaacaataaa taggggctgt ggaaatatca 180
 taaatgcccc cgtttatact acgtgtcaat gctgaagaca ggggcaaagt cgactacttt 240
 tagagtgaag aagacaataa aaccaataaa tgtgtaatat gtcaacaaag tatccagtgc 300
 aaaaaaggat tattgctaaa ctattctttt catatagata tattagatag ata 353

<210> 3103
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3103

tgcccccttg accactgaat gactgcattg cacnccccnn ccgaanacnc acgcttcagc 60
 gagcgctnaa aangagaggg gttttgtaaa tgttgatttt ttttcagaca tccgaggaaa 120
 agatattgtc gtttgaattt tgcacgacca ttaacattca atttcgagcc tctcgattat 180
 tacgcgacta atagacatcg agtaaaagtt attggcgctt gaatttgcaa cgaccatcaa 240
 cattcaattt cgagcgtgtg gatatatatcg cgactcaatt agacatcaga ggtaaaaggg 300
 tattgtccgt tgaatttgca accaccaata acattccatt tcgagcgttt cgatatattt 360
 cgcgactcaa tcagacatac cgagttaaag ttattggcgt ttgcatttgc tcagagcttt 420
 agcatgtagt ttcg 434

<210> 3104
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 3104

ggaatgagag gaaacggctt gcctcagttc ttgattatgc acatgaacta ttgaggacct 60

ttcctggatc cacagttaag atcaacacag tgccaaaatc acaaggtaca ccacactttt 120
 agaagcgata tatttgacct gccgcctgtc atatcgggat tgggtgctgga cgcctaccat 180
 tcatacgtct agat 194

<210> 3105
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 3105

tgtactccat cgcttgetac gtttgaatac gctttcctat tcctttccct ttagaggggc 60
 acaggtgtcc tcatcattgt gccaaacatt acagtcaatg ctggaaagat aatgtaagct 120
 gctgctttta attcattata tctactgttc ctttaataaa aactactcaa aaaatgttat 180
 tactctctat tgttgtacga acaaaaaacc atactgatta ctatgtgaca agacaccaaa 240
 cgcatacaaa gtactaggag tataaaaaat tgaaatctta ccttat 286

<210> 3106
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3106

cggatcctta agcacctgcy gctgcaagct tgaatattta agcaagagtn tggagtgcac 60
 attgaagtta ctaagatgtg gagagccatg aaagaagcaa agcaactagt ggaaggggaat 120
 gagaggaaac aatatgccaa agtatttgat tatgcacatg aattattgat gagcaatcct 180
 ggatcaacag ttaaaatcaa cacagtgcc agtccagaag gtccaccaca attttagagg 240
 ctatatattt gtcttgctgg ctgtaagaag gggtttggtg ctggatgtaa accattcata 300
 ggtctagatg gatgtttact aaagagtgca tttggaggaa acttgctttc ttgctgtggg 360
 cttgatgaca ataaccacat ctttgttatt gcttatgctg ntngggacat tgagaacaaa 420
 gacaattgga aatggtttta actttgntgc atgaagatct tggggattac ata 473

<210> 3107
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3107

tccaagatta ttttgatgac gccaaagatt gtnnaggat tcattcacga ctagagtaat 60
tcaatccgna anattcaatg aaaattcaag aaaaactcaa gatatgcaag aacttcaaga 120
aaaacatcaa gataagtata aaaagaattt ttcaaagaaa aaattgaata tcacaaattt 180
tccaaaagaa nnnngcggggg aaaaatcttt taccaaaatt tttactctct ggtaattcca 240
ttacccaaan gccctaattct attaccanaa ncccaaaaca gttttatacg ggatttacia 300
agtagtaatc gatttccatg ggcattgtaat cgattacaaa tatttttgaa cattgaattt 360
caaatttcaa gagtcacaac ttgtgataaa aca 393

<210> 3108
<211> 307
<212> DNA
<213> Glycine max

<400> 3108
agcttccatt ggttgaattt gagcacctcg atatatatgc gcctgattct aatctccgag 60
tgaaaagtta cgaccatttg aattcctcca gagcttccat tgttgaattt cgagcgtctc 120
gatataattat gcacaagaat cggacctctg agtgaaaagt tatgaccatt tcaatttctc 180
gagagcttcc gttgctcaat ttctagcacc tcgatataatt atgcgcctga atcgacctc 240
caagttaaaa gctatgacca ttgagattc tcgagagctt ccgttggttca atctggagcg 300
tctcgat 307

<210> 3109
<211> 357
<212> DNA
<213> Glycine max

<400> 3109
agcttctata taagctgaac cattatatca ataaacacaa gttgagtttt attcagaaaa 60
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccttg cctgtatcaa aggactttca caacctttgt gtgttgccct cactggaaag 180
agtgattctt tcttctctt catgatcacc cttgttctt caaaccacaa ttccagaaaa 240

tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaaa cgagaccttt caccttcgtt tggaatc 357

<210> 3110
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3110

gcttgctaac ccâtggaagc tcctaataatc tcccacactn tntaggttgt gccattcttg 60
 gatggccttg attntcttag ggtccacttg gaccccatth ctaccaacta caaacctaa 120
 gaaaactata ttatctatac aaaaggtaca cttctctata ttttcataga ggggtgtntt 180
 cctaaggact gaaagaactt gtctgagatg tcctaagtga tcatctagcc tcctactata 240
 cactaaaata tcatcaaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaaggca tcactagcca 360
 ttcatacaaa ccanacttgg tcttgaaagc agntttccac tcatcaccct ttttcatcct 420
 gatttggtga taaccacttt ta 442

<210> 3111
 <211> 363
 <212> DNA
 <213> Glycine max
 <400> 3111

tggtgaatta ccgaaaggaa ataaggtagt tgtagcataa tggatatttc ataacaaatt 60
 ggacgaaaat ggtgaggttg tgagaaacaa ggcaatatta gtctctaaag gtgactcaca 120
 ataggaaggt ataaactaca tagaaacttt tgcacatatt gcacgttttag aagcaatag 180
 catcttactt tcatttgcaa cctatagtaa tatgaagttg tattaaatgg atctaaaaaa 240
 cacattttta aatggattaa tccaagaaga agtttctatt gaacaatctc ctggatttca 300
 aagtgaacc cttcttcaac atgtttttta actcaacaaa gcatcatatg gacttaaaca 360
 agc 363

<210> 3112
 <211> 463

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3112

 gcttatgctg canacactta taatagacct ccttaacagc aaaaccttct tcaatagaat 60
 aattatgacc tttcaagcaa tagatacaat ccagggttgga ggaatcatcc aaatctgaga 120
 tagacaagtc ctccacaaca acatcagcct gtccctcctt tccaaaatgc tactgggtcca 180
 agcaagccat atgttcctcc tccaatgcaa caacaacagt agcagtcaca acaaagacaa 240
 caagcaactg aggctcctcc tcaaccttcc ttagaggatt tagtgaggca aatgaccatc 300
 cagaatatgc aatttcagca agagacaaga gcctccattc agagtctgac aaattagatg 360
 gggcagatgg ctactcagtt gaaccaagct caatcccaaa attctgacaa attgccttca 420
 caaactatgc agaatccgaa aaatatgagt gccatcacct tga 463

<210> 3113
 <211> 366
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3113

 ntgtgggagt cagagttgta ctggtttagat atgtgttgaa tgtttactgt ttaggggttg 60
 atttttactg ctttttagcac aagaataata aaatcattca aaaatattat tttctgagtt 120
 ctggtttgggt catttgaaaag aatgccataa tcgggtcatcc tatgccctta ttgagaattt 180
 gagaaattgg atggagaaaag ggtcaaggct caaaatatgg aagcagtctg atataactcg 240
 aaacattcat taacttagct ctctgttggt tttccagttt tcatcatgtc atcatttatg 300
 tgtgatctgt ccattcctag aaaatcggtc acacacacac acaacactnt tagaaaatca 360
 tatatt 366

<210> 3114
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3114

agctntgagc taattcaaac gacaataatg ttttgctcgg atgtctgatt gagtcccgta 60
 atacatcgag acgctcgaaa ttgaatggtg aagctctcag caaattcaaa cgataataac 120
 tttttactcg gatgtttgat tgagtcccgat aatacatcga gacgctcgaa attgaatggt 180
 gaagctctca gcaaattcaa acgacaataa cttttttact cagatgtctg atagagtccc 240
 gtaatatatc gagatgatcg aaattgaatt ctgaagctct gagctaatac aaacgacaat 300
 aactttttgc tcggatgtct gattgagtcc cgttatctat tgagacgctc gaaattgaat 360
 tctgaacctc agagctaatt caaacgacga ataactttta ctcggatgtg tgattgagtc 420
 ccgtaataca 480

<210> 3115
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3115

tcagaattca atttcgagcg tctcaatata ttacgggact caatcatata ttcgtgcaaa 60
 aagttattgt cgtttgaatt agctcagagc ttcagaattc aatttcgatc atctcgatat 120
 attacgagac tcaatcagac atctgagtaa aaaagttatt gtcgtttgaa ttagctcaga 180
 gcttcaaaat tcaatttcga tcgtcttgat atattacagg actcaatcag acatctgagt 240
 aaaaaagtta tggtcgtttg aatatgctga gagcttcaac attcaatttc gagcgtctcg 300
 atgtattacg ggaatcaatc agacatccga gtaaaaagtt attgccgttg gaattagctc 360

<210> 3116
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3116

aatcgattac acagntatat tntgaagggt catgactttt gaatttgaat ttcaagagtt 60
 ccgttgctgg taatcgatta caaatatttg atcatcgatt acaagttcaa aattcacatt 120
 cagaaccctt ttttaacatta cccagaggct tggatgtctc ggaaacactt tgttttgagg 180
 caaggcttga tcttttagtga atcttgaaac aaggctttnt ttgttgaagc aatcttgtat 240
 taatcttgaa gcattgctta tcctttgaag caaccttatt tgattcttct ttggcatcat 300

caaaatcatg tatgcataca ttcacattct cccctttttt gatggtgact ctcattatca 360
agcaaattct ttctgacatc atc 383

<210> 3117
<211> 388
<212> DNA
<213> Glycine max

<400> 3117

tgacacttcg agacttatac aatactcaag cttcccgcca atgggtatttg aggtttaatg 60
ataccattat ttcctttaga ttttaaggaaa atactgttta tcggtgtatg tatctgaagg 120
tcagtgggag taagggtatt ttctaatttt gtatattgat gatattcttc ttacaactaa 180
cgatcttggg cttcttcgtg agactaagaa atttctctct agaaactttg aagtgaaaga 240
tatgggtgag gtaagctatg tgatagggat aaaaatattc cataatagat cacaaggatt 300
gttaggttta tctcagacag tatatatatc gataaagtgc tagagagatt caagatggaa 360
aggtgtttaa cattgcctac tctaattt 388

<210> 3118
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3118

agctntaagg tgtgcaactc caccattttc atattagaac actggtaatg ggtctactat 60
cattgttatc atttatttct ccatcattga ggtgccactt gagctgccag gtctctccac 120
ctttgggtgt attctttgaa acatttgtgc ccttttttgc acatgttctg tagttgcatc 180
ctatctggag ccatatcaga attgtactga cactgcctaa cgaaagcaac tattaggtcc 240
ttccaagaat ggactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta 300
agactttctt gggagaaatg tatcagtagt tctcatctt ttgcgtatgc cccaccttc 360
cgacaatata tcttttagatg gttcttgggg aaagtagtcc cttgtactt gtcaaagtcc 420
ggcaccttga acttgggagg ggtaatgat 449

<210> 3119

<211> 364
 <212> DNA
 <213> Glycine max

<400> 3119

tttctttctc aatcaacctg tctattgtct aacaattcta attgcaagtt caactttttg 60
 ttctttttat gtctaacata catatttgct caaacttatg aaaagaaaca caaactccat 120
 cacaatcatg catttaatcc aaaatcaa atacaacacca atgaaacata ttgctagcg 180
 cttattacag gatcaacaaa ttcaaaaact tgtaggctaa tgaaacttga aagaaagttt 240
 ggagaatcaa agctccacaa agaagagag tctttatttt gcagcctaga catgataggc 300
 tatctttcaa attctcta ctgagaaccg aaccaaacac aaatgttttt tttaatttct 360
 attt 364

<210> 3120
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3120

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 atatatcgag acgctcgaaa ttgaatgtgg aagctctgag ccaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgacgccccg aatatatcga cacgctcgaa attgaatgtt 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240
 tcatatatcg agacgctcga aatngaattg tgaagctctg agccaattca aacgacaata 300
 actttttact cgatgtctg attgagtcct gtaatatatc gagacgctca aaattgaatg 360
 ttgaagctct gagccaantc aaacgacaat aactntttac tcggatgtct gattgagtcc 420
 cgtcatatat cgaga 435

<210> 3121
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 3121

tcaacattca attttttagcg tctcgatgta tgacgggact caatcagaca tccgagtaaa 60

aagttattgt cgtttgaatt agctcagagc ttcaacattc aattttgaga gtctcgttat 120
 attacgggac acaatcagac atccgagtaa aaagttattg tcttttggat tggctcagag 180
 atttaacatt caatttcgag cgtctcgata tatgacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcag acatcccag taaaagttat tgcgtttga attagctc 358

<210> 3122
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3122

agcttgcaac cattagaaga aaaagaacat gttattagaa gtatgactga naatgttagt 60
 cagtttgtca gattgattgc gaagaaatgc attgatcgta tcttgggtgag agtgtgatcc 120
 ttaaattntg agagaaacga ctatcattta gtactaattn ttgcatgaat ctctgaagta 180
 tggactgaat gcatgaattg aggatgatga aggccatgct ttgattgtga tagctactta 240
 gccaaaaagc tgaccttggtg cttgaatgat ttatcccttg caccagttt gagttgaatg 300
 aattattgat tgattgaacc ttgagcctat acagtgttat ctctgctac cttgttntag 360
 gttgtaggag agcatcatcc acagaaagct tgattcatag taaatttgtc ccannattgg 420
 gggagtaa 428

<210> 3123
 <211> 351
 <212> DNA
 <213> Glycine max
 <400> 3123

tcaaaccaca gcaacacaaa atctaggtgt ccaaaacccc tcaattcaat gggttttcta 60
 ggtttgaaa gtgaaattta gaatgaggta aatttgaggc aaactctcac ctacaccag 120
 tccataacat ccatttagac ttgttcaaac tggatttaca cctaaaatct caccgaatca 180
 aaatttgact cttcaacacc caaatttgcc ctagcaatgg ctctttgttc actttgggtct 240
 tttgttttct tctctagctc agcctaacct ttctcacatg ttctaaatga catttcaagc 300

tagtattaac tcactctaac ctccatttac cacagaattc agacttagcc t

351

<210> 3124

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3124

agcnttgacc aaacctcatc agtagttggtt tccttagaga cttgccttaa caccttgtct 60

ctgacactaa ggataattgc actgtgtgcc ttctgcagta gtgctttctt atccccatca 120

tccatcatct tttcgagttt ggcttttcca tcaagtgtt ccaccaggcc ctgctgaaca 180

agaagggctc tcactttcaa tcgccataac ccaaaatcat tttcccttt gaatttttca 240

acctcatact tggccaagcc cattgcttga atcgagccca aatcatcca cgctcacaaa 300

aatatgagtt tcttgtttga acaagaatga gcaaaaatgt agaanaagat gaacaaaaga 360

acttcaaaga atcgtgattn gactagagta aaaaatcaac tctcaatctc ctcacaataa 420

ccactnttat ttaaactctg aataat 446

<210> 3125

<211> 388

<212> DNA

<213> Glycine max

<400> 3125

tgacgtacgc taagcctcgc atctcaggta agcgcagtgt gcagaaagat ttttgggtgtt 60

gcagaaagcg ctaagcacccg ctgctgcgct aagccccaaa tacttactgg aagttacaac 120

ttcaagttgg gcttagtgtg aggctaggct aagtgccagt gttttaaact taaacgtcac 180

gttggcacgc taagcgcgcc atatgaaatt tagtttttaa aaagtagagg cagagacact 240

tgggttgcta ccttggcacc caaacctcta cactctcaca tccttgagca ttctcttttt 300

tctgttgtgt gctactgacc ctctgcatca tttgcttctt cattctctgc gttacacaat 360

ccaagtaagt ctattgattt cttttact 388

<210> 3126

<211> 427

<212> DNA

<213> Glycine max

66304-30450

<223> unsure at all n locations
<400> 3126

agcttctagt cgtccataga cctcctctgt gttacggctt agcaaacgtt gcatctgtgc 60
attcatcgca tccactaaca gacgttgagc gccgtccaac tgatggtact cgtcaccacc 120
accacctgct ccagccataa ttcaacagga aaaaaaatg tgcaataaaa attattaagg 180
tttcaggacc tcacaacact ctactcacgt ctcttagatg gtagtacact cgtgtttaat 240
gctctcaata ggcttttgtg taatgtattc cctcttgcc tttaccactc gtgtttcctc 300
ttaagttcct ggatggacca nattagacac acaaggtaat ataaaataaa aggaaagaca 360
atataatgat cacaaacaga tttgatttgg gataacaact tggactngat tnggataata 420
atatatt 427

<210> 3127
<211> 310
<212> DNA
<213> Glycine max

<400> 3127
tcattgccta acaagccaac ttacaacagc aagccccttt agactcagca taaggatgca 60
caggtcaaag ttgagtatgt gaaaagattg tatgaccaag tgaaagtgca aattgcaaag 120
aagaatgaaa gttatactaa gcaagccaac aagaaaagga aggaagtggg acttgaaccc 180
cgtgatgatc ctggacattt gaggacaaat gtttttcaag aaagagggaa tgatgagaat 240
catgaaacag gccaaataca gtctaaaggc ccaagtggag aaagacgaat gcccaagtgg 300
agaaggacaa 310

<210> 3128
<211> 435
<212> DNA
<213> Glycine max

<400> 3128
agcttgtatt tctctcccat ggttgatata atatctatga tggatcaaaa gctcttcctt 60
tgaagagccc tgetgcgcta cttatattct tctctcgat tatcatatcc ttcattctta 120
catcatgagt gaacaacaac aagatcaatc acttaatgta cacagtcctt attaccttta 180

acctggactt gatttogaat ataanatatt acatatggag ttggcn

526

<210> 3131

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3131

aagcttgctt gcgngcttc aatggaggaa aagaaagagg gatataaaga tatagggggg 60

gagcacgaaa ttgaaggaat aaaagaggga gagaagtga actntgaagt gtgtctcata 120

aaactttcat tcatcaaaga tacaaccaag tgttacacat gcttctattt ataaactagg 180

tagctgtctt gagacgcttt cttgagataa ctctcttgag acgcttggtt gacaaaaagt 240

acgtgagaag ctagagctta actacgcaca cccctctcat a 281

<210> 3132

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3132

agcttatgct acanacatct acaatagacc tcctcatcct cagcggctat ataagccaca 60

acagaacaat tatgacctct ncagcaacag gtacaaatcc gggaggagga atcatccaac 120

cttagatggt cgaatccttc acaacagtag caacaacaat aacaggctta ttttagaatg 180

ttgctggccc aagcagacca tacgttcctc caccaatcca gcagcaacaa cagcaacagc 240

cccagaaaca acaaatagtt aaggctcctc cgcaaccttc ctttgaagaa ctngggaggc 300

aaatgactat gcaaaacatg tagtttcaac aagagaccag agcctccatt cagagcttaa 360

ctaatacagat ggaacaattg gccacacagt taaatcaaca acagtcccag aattctgaca 420

gaataccttc tcaatctgtc cagaatccca caaatgtgag t 461

<210> 3133

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3133

acactcgaaa ctaagcttaa tttttggaaa attttcatgc agaagatttt atttatccct 60

ttatgcttta ttgagacatt cttagtcaat tccaagtgtg tacataatag tttgtgaatt 120

ataaagaaga agtgaagttg atttttataa tgagataatg aaattcactt tcatataaga 180

at ttggtgtg gtgaaagtaa gaattcaagg tgttgaaata tcttactatg ctatttgaac 240

tatagttggg tccataagtg taatgaacat ataaatgggtg aatttatgat atgggtatcct 300

ctttttggtg ttgaatgggt gaatatgatt atgatgggtg atgttgattg ttgaatgaac 360

tancatatca tgcatatatg gataaatgac a 391

<210> 3134

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3134

gcaagcttga gcagantcan acgacaataa ctnttaatcg gacggcattt gttcccctaa 60

atatcaaact gctccaaatt gaaaatggaa gctcgtagca aatttaaacg agaataactt 120

tttactcaaa tgtgcgattg agtcacgtaa tatatcgaga cgctctaaat tgaaaacgga 180

agctcatagc aaatgtaaac cgtaataaacc tttaactcgg atgtccgatt gagtcctgtg 240

atatattgag acgctcaaat atgaaaacag aagctctgcg caaattctaa caacaataac 300

<210> 3135

<211> 346

<212> DNA

<213> Glycine max

<400> 3135

tgtaggatta tggggtaccc atcacatgtg gtactatgtg gcggtcgttc gatggtgcac 60

aacaagtttt ccacatccac aatgcgcgca taaaccaccc atcccctggt gccacactcc 120

aactgagctc acgtactccc acgtagccca tctcctcgtt tctctcaaca ccgggtcccc 180

atcaatcctc ccaagcttcc ccaacatcaa agtaatacaa cattcacaca gcacaagcta 240

tcacagccaa gcaaaacag gcaaaggcag aaaactctgc tcaaaacacc aaccaaatac 300

acagcttttc tcaacttaaag accccagtaa caattccttc gatcca 346

<210> 3136
 <211> 215
 <212> DNA
 <213> Glycine max

 <400> 3136

 agcttagatc aggcacccga gtcaaacggt atgttcgtcc gaatatgcat gggcattcca 60
 tttcaacttt taatcgtgat gatataattac gggcctcagt cggacatgcy agtcaaaact 120
 ttatcccgcc agaattcacc cgagtcttcc atgttaaatt ttgagcgtgg cgataggcta 180
 cttegtttat tcgaagatgc ggaggataag ttatg 215

<210> 3137
 <211> 399
 <212> DNA
 <213> Glycine max

 <400> 3137

 ctaagcttaa gaaaaagatg gcctcagcaa attccttatt tccagtaagg aattctatca 60
 atagacctcc aatctttaat ggagaggggt accactactg gaaaaccga atgcaaattt 120
 ttatcgaggc aatagatcta aatatctggg aagccattga aataaggcct tatataccca 180
 ccacagtaga aagagtttca atagatggta gttcatcaag tgaaagcata accatagaaa 240
 aacctagaga tagatgggtc gaagaggata gaaaacgagt acaatacaac ctaaaagcca 300
 aaaacataat aacatctgcc ctaggaatgg atgaatattt cagagtttca aattgcaaga 360
 gtgctaagga aatgtgggac actcttcgat taacacatg 399

<210> 3138
 <211> 391
 <212> DNA
 <213> Glycine max

 <400> 3138

 aattcaatca atagacctcc aatctttaat ggagaggggt atcactattg gtaatcccga 60
 atgcagatcc ttattgaagc catagattta aatatatggg aagccattga agttgggtccc 120
 tttattcctt caaaggtagt gggaaatgca actatagaaa aaccaagaga ggaatggaat 180
 gatgatgaaa gaagaaagggt tcaatacaat ttacaggcca aaaatataat cacttctgca 240

ttaggcatgt gtcgcaacct acccttttgc gggcgagcga ggcgaggctc atcggtgtgt 300
tcttccaaag gaggaacatg cgcggagtcg ccacaaacgt ttatttgtgg aaaacgtcgg 360
aaaaatcgaa ggaaaccggt catgaagaat a 391

<210> 3139
<211> 380
<212> DNA
<213> Glycine max

<400> 3139

aagacttgac gcttctataa tgggacaact agagaatctt gttacgagac atgcaagggg 60
ggtagagctg gacaaaaata aagtgtgggt aaaaccttat aaatcacact acattgaaca 120
tttgtatatg atattaacaa tgacatctat tttgtaacct agaatatcta ataaaagaca 180
catttaatat catgtgcaag caacttatct taaccaggag caaggtcacg aaccaaacca 240
atacacccaa atgcacatat aggagcatgg tataatggac ctttgaggaa ataagttgat 300
agggaattga tcaaataata agcaggtaaa acaacttcac cacaaaatta taaaatgata 360
ttttcatgta acaataaatg 380

<210> 3140
<211> 167
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3140

cagattatcc gctgatgttt acataggatg catttgtaaa cagatacaat tctcttctct 60
ctctctctct ctctctatta ttttctcata taacatacac atgtgatgtg aggttgaatt 120
tgtgggtcaag gagagggtgac ctangctgta cgggggcaaat ggcattg 167

<210> 3141
<211> 306
<212> DNA
<213> Glycine max

<400> 3141

tcatattcat caaagcagga taatcaaatt tgccctctct tatatccaga tcgatacctt 60

cccaggcgaa aaccaaattt gcaaagcttg aaggcatgta acccaccatc ttttcatagt 120
 agaacaccgg taatgtgtct actatcattg taatcatctc cctttcaatc attggggcgc 180
 tacttgagct gccagatccc tacacctttg ggcgtattct ttgaaagatt catgctcctt 240
 cttgcacatg ttctgtagct gcattctatt tggaaccata tcagaattgt actgatactg 300
 cctaatt 306

<210> 3142
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 3142

tctcatgatg aaaaatcacc attgaaggac ctcatggaag atcaaagatc cagcctccat 60
 agaagctcca caagcaagct tccatcaagt tatgaccatt tgaatttctc gagatcttcc 120
 gtgggttcaat ttcgggcgctc tccatatgtc atgtgcctga atcggacctc cgtaagaaaa 180
 tatatgacca tttgaacttc tctagagctt tcgttggtta atttcgagct tctc 234

<210> 3143
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3143

tcattgccta acaagccaac ttacaacagt tagcccctat agactcagca taaggatgca 60
 cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaagggtgca aattgcaaag 120
 aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggg acttgaaccc 180
 ggtgatgata ttggacattt gaggacaaat gttttccaag aaggagggaa tgatgagaat 240
 catgaaacag gccaaatata gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg 300
 agaaggacaa agcccccgag tggagaagga tgaaggccca agtggagaag gatg 354

<210> 3144
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 3144

agcttgccctc atagatgtcc aggaaggaca attctgcaga atgttctagt tccgctccgg 60
 agtatgatag tcaccgcttt atgagcgcgg tacaccagca gcgcttcgaa gccatcaagg 120
 ggtggtcggt tctccgggag cgacgcgttc agctcatgga cgacgagtat actgatttcc 180
 aggaggaaat agggcgccgg cgggtgggcac cactggttac tcccatggcc aagtttgatc 240
 cacaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgctgaca 300

<210> 3145
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 3145

ttttaaagta gaaacatggg accaactcat tttattttat aaagtcgtat ctagtgaagg 60
 tctgagagac catacaagtt ttctagcgat ttctaattat gtgggccatt aagtctatca 120
 tatgctgaca atagccgaga agcccatgaa tttcttcaag ggcggagtaa gtgtccgcca 180
 ttgccttggc cttggctaac aatcggggaa gttcttgact cccgttcaag gtaagagcaa 240
 accgatccat ccacatggtt gcctcttggt gtaaagagtc gatcaccttt cctctagcct 300
 ctttttccgc gtataacttg gcatactcgt ccacgaccct atgctc 346

<210> 3146
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 3146

agctggagat gaggaagtgt agaaggggtga atctttctgc ttttattgtt gaccacagag 60
 tggtaacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggtagtctac agataatatg aaaac 235

<210> 3147
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 3147

tttctcagtc gtctgtaagg atgatttgtt gttagaaagc gacgatccct actgtagact 60
 gtttttctgc catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgca 120
 tgatgaccct taacactgta accgctgaga ttcccatatg ctggaaagtc attaatggta 180
 caaaaaagca ttgcacgcat ttcaaaggtc tccttgtgaa acacatcaaa cactacaacc 240
 ccctcgctcc acaactttct cagatcttca accaacagac ttagataaac atcaatgtca 300
 tttcctggct gtcttgggct cgatatcatc atagacaaca tcatgtattt tcgcttcatg 360
 cataaccaag gaggcaaatt gtaaattac 389

<210> 3148
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3148

atgaccctt ganttgannc tttagacctt gangcgcgat cttaaagcgac tgagcatgca 60
 ctttctaagc gccatcttgt gacttgtttt ggcgatttcg tctgagctat catgagtaaa 120
 gaatcgttac ccactcatta atacaactag cttattgcta gcaacaacga gccatattca 180
 tagctctgat gctctcaatg gtaattcctt attatggcaa tgcttctctc gatgatgaga 240
 tggcttttga tctgacgatg aatccttctc cccccaaaa aggatcctgc agtgcacgat 300
 tgagcaaaga tgaccaaaaa aaagccatct gagtccatct ttttaciaag gactacactc 360
 tttccaacgg aaacgaccct ctaaagagac tgcattcctt actaacaatg tgttgactga 420
 tacttttagac caaatctatt ggctaaggca caaactgcat cttatcttat tgcgtttaac 480
 caatgcatcg 490

<210> 3149
 <211> 350
 <212> DNA
 <213> Glycine max
 <400> 3149

tgtaggatta tggggtagcc atcacatgtg gtactatgtg gcggtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aaagcgtgca taaaccacc atccccgtt gccacactcc 120
 aactgagctc acgtctctcc acgtagccca tctctcatt tctctcaaca ccgggtcccc 180

<213> Glycine max
 <400> 3152

ttaagcacct gagctgcagc tatgctgaaa cattataata gacctctcta gcagcaaaac 60
 catctacaat agaataatca tgacctttca agcaatagat acaatccagg ttggaggaat 120
 catccaaatc taggatggac aagtcctcca caacaacaac agtctatccc tccttttcag 180
 aatgctgctg gtccaagcaa gccatatgtt cctcctccaa tgcagcaata gcagcaacaa 240
 caacaaagac aacaagcaac tgaggccccct cctcaacctt ccttaaaaga gttagtgagg 300
 caaatgacca tccagaatat gcaatttcag caagagacaa gagcctccat tcaaagtctg 360
 acaaatcaga tagggcagat ggctacttag atgaatcaag ctcaatccca aaattctgac 420
 aaattgcctt cacaaactgt gcagaatcca aaaaatgtga gtgccatcac cttgaggtct 480
 gg 482

<210> 3153
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 3153

tgtaactctc ggcagtttct tagtcactta aaaagatatt actttagaaa tatactttca 60
 gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcgaaa tcagtcactg 120
 ggaatcgatt accattgacg tgtaattgat tacacatcaa cgtatgtgac tcttcattct 180
 gaattttgaa aatcttaaag ttttaaaaca ctagtaatcg attacagctt tgtaaactcag 240
 tttgaaaaac aatgcgcgct actagtaatc gattactacc ttctggtaat cgattaccag 300
 agagtaaaaac tctttggttg aagattttgt gaaaacgtca tgtg 344

<210> 3154
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3154

agcttcacca gatgatgccg atcngaacat tctcttaatc gacatcattt atttgatttc 60
 agggatngac tagaatanac aatggccggt gtcggtcggt attatggccc cgactgatat 120

ctttcagccg acattgcgca atntctttta caaacgctgg ccgataatgt ttttttattt 180
acggtagagg aagttttttg tttggtggtg cctaaaaaat tacaacgtag gacggctagg 240
tttttccgtg cgagctcaac cgagggttcg ttccgaccga cactggcatg 290

<210> 3155
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3155

tctatataag ctgaaccatt ttatcaataa agacaagttt agttttattt ataaaattag 60
agnttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaaaga ctttcacaac ctttgtgtgt tgccctcgct ggaaagaagg 180
aatcttttct tcctttcctc ttcacccttg gtctttcaaa ccacaattcc cgaaaattca 240
cctctgcca aaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat 300
tcttgagcct aaattgaatt tcgaaacgag acctttcacc tcgctttgg 349

<210> 3156
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3156

gcttgtgcag ctgactatgc tgcattgttt taatattact ttgttaaata ttatatacaa 60
gnatgaaatg agattattgg tttgtatcac ggcactacta ttatgcatga gaatcaattt 120
cccaaacaat tacaagtgtg ttatggaacg aagaatgata agggaaatta gttttaaaag 180
gcggcaatta gaagaattag ctcgctaact gttagtgtgg gggttctcta ttataaatag 240
gcatgtcaat actgacgcac gagtatgctt tgtaagaact tggatataca actgggatta 300
tccagtgtga gaggtgagcg ctccctcttg tataactgcy tacatctgtt tgccttatt 360
gaacacaatt ctgacaatgc ttttagacat ctttctcttt gactcta 407

<210> 3157
<211> 374

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3157

ntaagttcaa gttttgcaaa cttctttccc tgctttcatt tttaaattata caagaaaaag 60
 agtcagtcac ttttacaaaa agtatgcatg agcaacaaaa acataattac cttgttcagt 120
 atgttcctga aatgggtccat aacagaatcc tctgacaaga catgttcata ggacttaaata 180
 aactctatta gttttttcat ccctttttca gtaaagcata actgagagag acaataagat 240
 atatattccc attgtctaac atctgcagag aaataaaatc atgatcacta ttagcaataa 300
 actacaaact tctcttggtt ttgaattgat ttcaagccct tcagaattac aagaatataa 360
 ctcattgcttt aact 374

<210> 3158
 <211> 303
 <212> DNA
 <213> Glycine max
 <400> 3158

atctagtcaa ggtctgagag accatacaag tttcctagcg atttctaatt atgtgggcca 60
 ttaagtctat catatgttga caatagccga gaagcccatg aatctctttc ggggaggagt 120
 aggtgtccgc catcgccctt ggcttggtta acaagcgtg aagttcttga ctcccggtta 180
 agggagagagc aaaccgatcc atccacatgg ttgcctcttg gtgtaaagag tcgatcacc 240
 ttctcttagc ctctttttcc gcgtatactt gggcatactc gtccgcgac ctatgctcgt 300
 gag 303

<210> 3159
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 3159

tttcgattca atctatgtac ccgtagtggt ccacattgtg tttcgtgtat ttttattctc 60
 gttttgttta ctttttatac cccctcttga cgtgcttgag ccattttact taagtcattt 120
 ctgcgttaac ttaaaaataa aataaatttc caccgaactt ttgaattgta ttatccatta 180

[illegible]

gtagtcctt tgttcttttg gaaaaggcga gaaagagaca aanagaatt

409

<210> 3165
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3165

ttcataagtg aaattaggtg catccatctc tcttatagtc ttctcacgag gnggaggttg 60
agccatgttc tcagtatgaa aattaatagc cgaatgctca aaatcagaat attcagaatc 120
accagcaaca aaatgctcaa aatgctcagg atgctcaaaa tgctcaaaat gatcaagatg 180
cacactatgc ctaactaatc tatganaggt tctatctatt tcaggatcaa agggttgtaa 240
atcatctaga tttccctag taatgcacta tatgcaacaa ataatgtgtt tctcaacaag 300
cacctaacaa gggggtaaaa ctacaactat actcaacaa tat 343

<210> 3166
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3166

cagatgatat accttcaggt tggttcatat aaacctctc ctctaaatca ccattaagaa 60
aagctgtttt cacatcccat tgttgcaact caaggtcaaa atgagcaact aatgccaaaga 120
ttatacgaag agaatctttc ttagatacta gagaaaaagt ctctttgtaa tctattcctt 180
ccttttgagt aaatccctta gcaacaagtc ttgccttata tctctcaatg ttgcccaatg 240
aatccctttt ggtcttaaag acccatttac atccaatggc ctttgcccca ttaggcaact 300
ctacaaggtt ccaaactttg ttactctgca tagaattcat ctcatccttc atggcatcat 360
accatanatt ngactcttta caactcatgg cttgatcaaa agtttcagga tcattttcag 420
ctccan 426

<210> 3167
<211> 372
<212> DNA
<213> Glycine max

<400> 3167

agcttcggtt aatctcaaag ctacaaaaac ataacctcgt tttaggatta ccaagtatgt 60
catacaaaga tgatttactt tatgaggcat gtgaaaaggg aaaaaaatta aaaaactctt 120
ttttcaagaa aaacattgt ttccacctca agaccttaca tattgatctg tttagtccaa 180
ccaaaagaca tctatcaggg gaaaaaaggt attgactcat cagagccgat gactactcta 240
aatggacatg ggttaacttc ctagcctaga agaatgaatc ttttagtgtc ttctttaaat 300
tttgtaaaag aattcaaaat gaaaagaatt atgcattacc ttaatcaaaa gtgatcatat 360
gggagaattt ga 372

<210> 3168

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3168

agctgtgctt tgtgccaaaa ttgaactgta ctgngaatgc caaagttgcc gatttaggaa 60
ttcttcctta agattnaatg tgttttccca aatgaattga tccttcctct ggntactaat 120
agggaaaaca cacaaggata agtgtaagaa gaggcttcat gagcaccgaa natcccctga 180
agaccttcca acccattgtt ctaagagatt gcaatagtaa acccaaaact ttagttctgt 240
cgattcccta gttcctttcc cctcataatg ggtggaggat tnttctccaa gaatttgaat 300
tcgtagaata tgattggtca tgggtgacgtt tctgttgctg tccaagacat catgggtaat 360
gtcaacccca ctctaattg ggtttgctac tccgagctgt aacaccctga aatattacta 420
attataaatt gat 433

<210> 3169

<211> 370

<212> DNA

<213> Glycine max

<400> 3169

tatagcttac ttattatcca caaaaagctt cactccatta ctttccttga tttttaattc 60
ttgtaataat gtgtccaacg agacagcttg gcaagcactc attgtagctg gaacatactt 120
agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattggtgt 180

tgcaccatac atgaatatgt aacctatagt actctttctg tcatctctgt ctctcccca 240
atccgcatca gtatatccca ctaattcctc tgagttgttg ttgtctttat ttggaaatag 300
aattccagta ttgatgggcc cttttatgaa ccttagaatc ctcttagcag ttaggagatg 360
aggaattctg 370

<210> 3170
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3170

gctttttgtt cggattgcct aaaaatttgt ttgtagttcg gctaggtttc ttcgtgcgag 60
ctcaaccgaa gttgtatttc ggccgacgcc ggcattttgt cggccaggat aacattagcc 120
cacctcggca aaaaaaaaaac atgattcacc ggtattgaca gaaaaaaaaatg ctggccttag 180
tcggccagga aagatgaccg atcgaggtct aaaaaagaag catgaccgga ttacgccgat 240
cgaacgtttc ctaatagata tcttccaagt attattcagg gattgaatgg aaaaaacaat 300
agccgacatc ggtagttaa tagccgtgac tggatatnt tcagccaaca ttgcgcaact 360
tctttcacia acgctggccg ataattttc tttacggtaa aggatgcttt cg 412

<210> 3171
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3171

tcggttntca atttcgagtg tctcgatata ttacgatact taatcagaca tccgagtaaa 60
aagttattgt cgtttgaatt tgcaacgacc atcaacattc aatttcgagc ctctcgatat 120
attacgcgac tcaatcagac atcagagtaa aaagttattg tcgtttgaat ttgcaacgac 180
catcaacatt caatttcgag cgtgtcgata tattacgcga ctcaatcaga catcagagta 240
aaaagttatt gtcgtttgaa ttgcaacga ccatcaacat tcaatttcga gcgtctcgat 300
atatttcgag actcaatcag acatccgagt taaaagttat t 341

<210> 3172
 <211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3172

 agctnttgat tctatggcca tataacaacca gtctatcccc tcgcgggcaa tgattttgag 60
 cagaaaatac cggacattag tgagctcatg gattgaacca ttacaagagg aggctgaact 120
 tggctatgag attgattatc attctaggta ttgtttctat ttcagcaata gatgcatttc 180
 ttntattttg ctgttggtgt ttctgtatt aatttattat tattttattt gtttgcatat 240
 atgattgtta tctattctcg gctatggaga attgaaatta ttataatgat ttgacttggc 300
 ttttatttat ttaatttatt tctattggct ttttttctcg aatgtactta tgctgtacaa 360
 gagcagtgtg cataccaaat gcatgttatt ctagctcttg atcgt 405

<210> 3173
 <211> 356
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3173

 ttgaggatcg ccacaagaat ngaacaattt tttataatat caaatggntc aaggaagaat 60
 cctaacaaag acaattctca cacttcaatg tcaaagggtc ctttccattc acttcacaat 120
 tgatttatac aaatcaattc ttctgtattt gatagaaaat aaaagaaaaa taaaatctca 180
 acattgtaag cataactaaa atacctttgt gattaagtaa ggcataatta agtttgaggt 240
 ctaaactctca aaactagctc tctcatacaa ttagattgtc ctcatattag tcactatttg 300
 ttgtaaaacc tcttgggtct ttttagccct tactcttgtc atggccctct tatgtc 356

<210> 3174
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3174

 agcttctaga aggagatcaa cttgatgttc tatgcttctt gaagggggca gtccatgagg 60

aatctccttg ngaaagacat ctttaaattc ctgcaataag ggttgaacac tatgagaaac 120
ataaatagtt aactgattag aattatcact ctctctctct tngtatacac tcttttcttc 180
gggtgtatca ctcttctttt tcatattcct ttgtgggtgcc tcaactatttt ctttctcttg 240
ttctctcttt tctctcattc tgattgggtc atcacacact cttctagggg atagaggttt 300
aagagtaaac gaggaagatt tggctattcg tctgtagggc tcttctttgt tacggntcaa 360
caaacgtttg cattgtgtag tccacgcgtt caaaaataag cgctgagatt cgtccaattg 420
atgatataca cca 433

<210> 3175
<211> 369
<212> DNA
<213> Glycine max
<400> 3175

ttcactcgca tgtccgattc aggcgcatac cgtatttata cgctagaaat ctaacaaagg 60
aagctctcga gaaattcaaa tggtcataac ttttactcgc catgtccgat tcaggcgcac 120
aacatatcga gacgcttgaa attgaacaac tgattttctc gagaaattca aatggtcata 180
acttttaact cgcattgtccg attcaggcgc ataacatac gagacgctcg aaattgaaca 240
acggatgttc tcgagaaatt caaatgggtc taacttttca ctctcatgtg cgattcaggc 300
gcataactta tcgagacgct cgaaattgaa caacggaagc tctcgagata ttcaaatagt 360
cataacttt 369

<210> 3176
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3176

tgtgggttct attaagaagg caaatattgat cattcctacn ntaggacgac tgcagaaaac 60
tggtgggcaa atganagaag ggtgaagaaa agagnnggag aaacnnccat gcgtgttgac 120
tgccattctc taattacggc caagtttcnn ccaccaaacc caaccaatgt canttacttc 180
agtcaataac aaaccttctt ccttaccac caccagtta tccacaaagg tcatccctaa 240
atcaaccaca aagcctgtct accgcattc caatgacgaa gaccaccttt agcaciaaac 300

aaaaaacac caacaaaag gaattttgca gcaaaaagcc tgtagggttc tccccaaatt 360
 ccgttgatcat atgctaaact tgatcccata tccactcaat aattcaatgg tagccataac 420
 cccaaccaag gtttctc 437

<210> 3177
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 3177
 tcattaagag gcttcctcta gaagcttctt cgtggcttct ttgagaatct acatccttat 60
 ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 120
 gcaacaaata atcaaacatc aaacataatt actaataata tatagatata tatatatcag 180
 ggtgttacia ttatcactca gatcttgact agttaaaact tctgaataaa atgagtttat 240
 cccgcgtttt tactccaaag atcagtgcga atcaaacac tcccacattt tatctctagc 300
 atgcattcat atcatgcac gcataagcat ctcttcatgg catcataatg aacatattat 360
 tcctgcatt 369

<210> 3178
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3178
 gtcacctgag gcatgcaagc ttgtgttcta natatgttng aatttggtat tctttagggtg 60
 tacatgtttg taggttataa tattgnntag aacttttctt agtatagatc aggtcatgtg 120
 ggttaactag tgactcacta gggtgacca tgactcaatg gcttagcacc ctgactgtgt 180
 caatcaccat ctgagtctaa taacatggaa cacatcctat ctacaccact caaatccctc 240
 atgatcaata tgattcatta caggcccaat tactagctgt ataactcatcc tgctatagat 300
 gatgtttgat agcattgtac gaattgtaga ttgttcaagt cgaaagatta ctatctcata 360
 atggttgcca tgagaaacaa ttatgacact tacataacta ttatgaagcc ttctcataga 420
 gagcttgctt ttataaatg ttactcctaa tatntatac 459

<210> 3179
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3179

gcttctatat aagctgaacc attctatcaa taaagacaag ttgagtttta ttcataataat 60
 tagagnttat ctctttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180
 gtgattcttt ccttcccttc atcttcaccc ttgttctttc aaaccacaat tccagaaaat 240
 tcacctctgc ccagaattat ctctgggcca taactcccat tttacgcact caaattaagt 300
 gattcttgag cctaaattga atttcaaaac gagacctttc acctcgtttt ggaatcacct 360
 catttgagc cctgtagctt cag 383

<210> 3180
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 3180

tacttcgggc gtgtattata gagcaacaag gtagcttgat ggattgtttg ccattgattg 60
 agtttactta caacaatagc taccaagcca gtattggtat ggctcctttt gaagctttat 120
 atggacgaaa gtgcaaaact cctaattgtt ggtatgatga tggagaagca gtacttcttg 180
 gacctgaaat gctacaacag attaacgaac aagtgaagtt gatttgagag aagataaagg 240
 catctcacga taggcaggag agctattatg atagaaggag gaagccacta tattctcagg 300
 aaggagaaca t 311

<210> 3181
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 3181

gcactatcga agacactata caatgctctt gctatgaagg ataaaatttt gtgcaataca 60
 cgcgctattg tgcattcaat aacgggctaa aatatgtttt cgttctttct gtagaatatt 120

caaagtttat ttttagtctc tgcaaaaaaa aaattatcca tttttcatca ttgtaaaatt 180
 aaaatatgcg actttttgat taagaactaa gtttgaacga atataaatct acatggcact 240
 ttttaattta atttttaaaa tacaattttg ggaattaaaa accacaacaa attatagaaa 300
 agaataagaa aaatataatt tgtggcagtt aaaaagcgcc caagtttaat gaaaattcaa 360
 gagtcaccat ggcttttaac taaacaccac ccctccaat 399

<210> 3182
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3182

agcttgagaa agtccttctg attttgttta tacttttctg acttgatggc atgagatgaa 60
 atgcaaagat tggacctctt gttagttggt atcaatgaat agcttaaaca cttgtgcttg 120
 agtgaaacag tagccgtgag attgtgggtt gagctacttt ccttgatatt tgtcttatga 180
 ttaacttcat ataactgtat agttcacatt ttgttctcct atatgtctag ctgcatgttc 240
 tgtgaaaaca agtgataggt acacatttct tcacttttct catcatngca atcaataaat 300
 ttgatgcata cacctttgta cataaacact gcatgtnta ccacttgagg acaagtgagt 360
 tgttctcttt tgcttgagga caagcaaaac tgtaaattt 399

<210> 3183
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 3183

tgtgctttga aaattatgtg catggaatat ttttgagttt agaatgctga actgggatca 60
 tccatttcta ttttctagtt tagttattaa ttcatgaagc tgcggtaaaa ctggtttacc 120
 ttacagttta cattggaggt taaaaaaga taatgacatt tatattatgg gttattttaag 180
 gctcatttaa agttaagcat agggtttggt tatgagcttc tctctctctc ccggatttag 240
 ggag 244

<210> 3184

<211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3184

agcttgatct tttagttttt tatctntaat ctttaatccc tgaacgaact attcaagttt 60
 gtaattcgaa ctttaattat cttttaattc gttcctaaag atagatcgcc aaatctgttg 120
 ctaactgcac attaactctgt taaagatata acagatttat gtgtccagta ttttcgggca 180
 agatgtcctg gacatcgat cgcacatcgt ggatcctgca gcttcaattc ttcatttgac 240
 attntatctt gccttgtgca ttgtgcagcc caatctgatt ccttgacata acgttggaca 300
 tcatgtgcag caactctagc tttccttcat tatctaagtg cttatggttt aacaaaattt 360
 tagccaatct tttaaaactc agtaaagcta agcactaaca atctcccct ttggcanatt 420
 tgtctaaaca tac 433

<210> 3185
 <211> 321
 <212> DNA
 <213> Glycine max

 <400> 3185

tctcgatata caatagggct taatcggaca tccgagttat tagatattgt cgttagattt 60
 ttctcagagc ttccattttc aattacgagc gcctcgatat tcaacgggac tcaatcggac 120
 atccgagtca aaagttattg tcggttgaat ttacttagaa gttctgtttt caatttcgag 180
 cgtctcgaaa tattataggg ctcaatcgga catccgaatt aaaagttatt gtcgtttgaa 240
 tataacttaga gcttttgtat tcaattacga gcgtctcgat attctacagg acacaatcgg 300
 acatccgagt caaagatatt g 321

<210> 3186
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3186

cacttcttac aaaactttga ttggaatgtc tctattatga ttgggttggt aagtcttgtc 60

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3189

tcgatacaga tcaactgaat ttgcactag tgtatattct ccaaattgta gaagcgtaag 60
aatctacaac aatatatcaa agcattacaa ataatctcat agtcaaatat tgcaatgcct 120
ttttccgtta aacagcagaa ggaaagacac ttgcagtcta tattaatcat gttattgaag 180
cttgccaagt atagtgaatt agtgattagg acttangaga atggcttcaa ctagaattac 240
aactttattg gtagagcata tatatgtatc ttggcataga cagcaacatc tggcactatc 300
catcttttagc tatcaataag aaataattta tg 332

<210> 3190
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3190

agctntacag cagatttttag taatgaccca ctatctctat aataanataa cttaatgcc 60
ttaacctagg gaattaanaa aaacttaatg gctgagtgt actgaaattg tggcaaccaa 120
aagtcacccn caatagccaa caagtcagcc accatttgggt ctcccaaaaag gctgatgcct 180
aggttgccaa ttgggccctt attacaactt gaactaaacc taactaaagc ccttttagtt 240
gattaacca aaacatattt ttggtcagcc aactntacaa ggattgggcc attattttaga 300
cagactaac actctaaaat tgaacaaaag tgggtgcatt tagtcctcct ccattngggc 360
catgatacaa ctcaaacct tggacttttc tccttgaac ttgngcttgt attcaaatag 420
tatggacagc actt 434

<210> 3191
<211> 374
<212> DNA
<213> Glycine max

<400> 3191

tagtgaaaaa attccttcga ataatttttt atatttatta tactcaattt taaaacttta 60
tttgagttct attcaacttg accatcaaca cattggtaaa tattttactt aaatgggtta 120

agtagatttt tagtctttaaa atttttcaaaa atttaaattt taatccttga ataaaagctt 180
aactagtcaa gtctcaactt cttttttgtt aaaatttttag tctttcaaca aaagcttgac 240
cagatcctta aacttttttaa aaattttatt ttaaattttt aaataaaaagt ttaaatttca 300
ttattttatt tattttattta ttttaataaga ttttagaaat taaaaattaa aatttttaaaa 360
accttgatga atac 374

<210> 3192
<211> 239
<212> DNA
<213> Glycine max

<400> 3192

acacgatgct taaccactca agacagcatc aaaccaataa cagcgcttaa ccccatata 60
ttgtagaatc aacatacctt aaccatccag agtagaagct taacatggtg ctttaaccact 120
tagactgaag caaaacaata tttgaatgct taccacccat aaaggcagaa gcaacacacc 180
aatgcttaac cacaggcaga aatgtgacat ccatacttaa ccaccatgga cagaagcta 239

<210> 3193
<211> 277
<212> DNA
<213> Glycine max

<400> 3193

accttcttcg aacgaaaatt acaacatcct gcttcgttgt ttcctttgct gccactacca 60
cctccttcaa tgagcgaaaa ttctcaaaat tctctcatt tcatatccta tttgccactc 120
cctccaccac cagtaactta taatcaatcc ccttctaccg aaaattctca gagatctcaa 180
acttttcttc aatgtcacaa aacacctcta tcgcatttca taagcctccc aatagttata 240
ttcgagcaca aactccttca tatgaggaag ttgatat 277

<210> 3194
<211> 403
<212> DNA
<213> Glycine max

<400> 3194

agcttagcaa gcaacaaaat gctcatttta tttgtatccc aatcaaaacc cagttgcaga 60

tatctctgta aaaggccaag agaatgcttg atcaaaatca tgaatatcta gtaatataac 120
aatattttaa ggaacacagca tatagtaata gacctaaaga aaattgaagg gcgaagaagc 180
aaactacctt agaagcaatg gtaatagaag taggaaaatc aaatataatc atttaggtag 240
catttggtga ggctgtacaa aagggttcata gattcattaa ttatgatctt ttgaatgttt 300
aatttgtaag taaagcttta gtggccactt gtcctatag atcacaaaag tagtggtagt 360
agaagaggag agggcaacaa aagcagcaga agtaccagct cct 403

<210> 3195
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3195

agcttaacaa ccataaatc ctattntaca tttaacaact atcaaaattt gactatgggt 60
caattataca ttntatacgc gtctttatct cacttttaca aattgagctc agatccatta 120
tgataactat tacataggcc cagaaaaaat ggggatcatt taagaaaaag ggagataaaa 180
gaaaataata gcaaatcgtg tatggtacct aatagagctt ctcccttcat caaactcttc 240
ttccatatac aaattattct caaaattatg tcaccaaaaa attcatttcc ttcttttctc 300
tttcaaatca attttttaaaa ttatttaatg taaagaaaa atgggcatca ttttggaaaa 360
aagggtgaga aaagaacata ataacaagga aattcatggt atg 403

<210> 3196
<211> 396
<212> DNA
<213> Glycine max

<400> 3196

agcttgatgt caacaacaac caccttgaag ggaatcttct aaatgaattt tctaatttta 60
acaatctgac ccttatggac cttaggaata ataggttcac tggaggggtg acccttatgc 120
caccactaca catggctttg ctctctgggt gatgttttga gcaaacacca ctgaagcaaa 180
tagaaacaaa aaaaaaaca aaacaagaca gaacatgagc acccttctga aaccaaggta 240
caagagtgga gccaatgtgt tcctccaaga tctaaagggc cagggttgcta gctagcttca 300

atcaaaatta tgaccaggat atataatact aatacagatt gggctctgagc ctaactggca 360
aagttatgaa tcaatcaggg aagagagaga gacaca 396

<210> 3197
<211> 334
<212> DNA
<213> Glycine max

<400> 3197

gcatgtatga aaatgtacag gtaaagggtga cttaaaggaa ttcattggta ctacctatac 60
caacaatgtg catatacttt ttcgtagccc atcacttaag aacttcatag ttaagtgtgt 120
ttggcataaa acaattgagg attaggtgac cttttgagaa attcctcgag aaatgtgtga 180
gtaagaacaa agtatactaa aaattctttg ctagtttatg aggacaatca acaattccaa 240
aagcaatcat gcgttacaat agtatcctag acatttatat ttcttttgct caatagtcag 300
gaggttatga gagagtacaa tttgaaaaga agaa 334

<210> 3198
<211> 348
<212> DNA
<213> Glycine max

<400> 3198

attatcgatg tttctatcac aatccagtga ttggtgacat ctccatgtgt gtgtacaatg 60
tgattatggt ttcatttcta ggattcattt ggaatatttg ttggtgatta tgaataagtg 120
accaatcttt tttttattta aaatttttgt ctccctagtca atcgactatt aatcttttga 180
tgtgctgatt atcttccaat catgccttgt taaactgctt gataacctat catgttttta 240
cttctgttat gaatagagag agactttgcc cttgccaatc acgttaaggt gtttcgagag 300
gaaataacttg agtaggcatt atccttgcta cttgtaaatg aaagtcaa 348

<210> 3199
<211> 393
<212> DNA
<213> Glycine max

<400> 3199

agcttcttct gcttccgttt ttgttttctc tgccaattca aattcctcct ttctcgggaa 60

aatcttcacg ctgcgttttc cgggatttc tcgttccccg ttcccgctaa tcgtttcaga 120
 gatcgaaacc accgtttcaa tctctgctca attccctcgc ctttccgttt ccccgtagt 180
 tcgcaaaagg taaacagaag aaaaaaaaaa caacatcaat ccacacatac cttcgttcat 240
 tcattctctt acgacttcat tgttcaattt agggtttcaa aacttccttc tgcggttctc 300
 gtgcgttgca ggatccaaaa cacgtgacaa taacaggata tattacgaat ttgcttaagc 360
 gtcgtgagga attgcgcgat ttttggcaac ggc 393

<210> 3200
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3200

agcttgtgga gaatgaagtt agggtcattt ccaggcatgt cggatgtgct ccaagcgaac 60
 aattgacatt gctcaagagc acttgttcta ctttttttcg tattgcatcc ttcatttgct 120
 taccgatttt ggtgcattca tgtgactcgc ttctgatttg gaaatttca acaatgtctt 180
 caattggggg tggatcatga tcttcagaat ctaatcgggg gttaagatcc tttaatgagt 240
 tgacaacaac attgatattg gagattggcg ccttgggtgn tttattgtct ctactatat 300
 tgtatggttc aatcttgcaa ctctttacat agcattcaca agcatccgtc tgatcaactt 360
 tgacaatgac aatttcctt gtggatga 388

<210> 3201
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3201

ttggcatttt cctactaatc atgaggaaga agagcagaat gatgctgcag gatcaagtgg 60
 agtcatagcc attgaacaac aacaacagca acagcagcag cagcagcaac aacaacaaca 120
 acaacaacaa caacaacaac atcaacagca acaatcagag tcttgtgggtt acaactttca 180
 gctccaaagg caattgggag ctttcatttc aacacatggt gacactgacc acatcaattt 240
 ccaaaccaac aacaacaact nctcagaaga tctggcctat ctttcattgg tttcaaagac 300

acccttgccct taattaatgg caaacaccac aaaaaggggtg gaataaaaca ccttctttca 360
atggacaacc aattccacca aaccc 385

<210> 3202
<211> 379
<212> DNA
<213> Glycine max

<400> 3202

atcagcttgg tacatgtaaa attattcccc accaaaaaaa actaagaatt gagctccgct 60
taaaaagaca ataggtggaa tggcaaatca gtgatcttga tgaaatcggg gagcattgct 120
agaaagagag aattggaata ttcatacaacc taagaaaagc aagttctgac tctattaaaa 180
gcattgtatc gaaacttcag accaatatatt tgaagatgac tcagggatct ttttgatata 240
ggggaatatt gctaggaaga gagagctcga gtatccatca gcctaagaaa attcaaagca 300
agttcagatc ttcttaaaac caagatttgg aagcttcaaa caaatattag tgaataccca 360
aaattatattt aaacttgaa 379

<210> 3203
<211> 378
<212> DNA
<213> Glycine max

<400> 3203

agcttgccac ccagctcgtc caggcgagca tgggtgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgactc ccattttttac 120
taagtacacc cctgccttt tttttggtga ttcttttttc gtaaagttac ggaaacttac 180
gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc ggattacata 240
atcateccct ttttgactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
ccatttgatt tctggtgtgt cacggaacct tacggattgt gcaatcaata tttcttttgt 360
tttccggcat gtcccga 378

<210> 3204
<211> 267
<212> DNA
<213> Glycine max

<400> 3204

acttttatgc tgaacaaatg atggcttgaa tgtgaaaagc atgttgaaat gagaaacttt 60
gaaaatttta aaattggaaa aatttcagaa aatggtttct ttagacatga aggcttttct 120
tttaaaaaaa acaaattgtg tgtgcctaaa tgttctacta aaaatttgct tgtttgtgaa 180
gcacatgagg aggtttaatg gggcattttg ggggccaaaa gactctataa acattacaag 240
aacagtttta ttggcctcat atgaaaa 267

<210> 3205

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3205

agcttgtaat atcacatcgg cgtgagtcac tgcattccca tctaattgtct tttggtttca 60
atgctattct taactcacca aatgaactct tggaaattaa tttttgtat gtatgtttac 120
caattttcct agatttaaaa atgtgttttt tcttgagtct gataaattat aagggtgttt 180
acctgaatga gttacggaat ttttgtgaca atcctatata tgaagaagca tgtgaacaac 240
atgaacatcg ctgataaaaa ctaagtttct ctttttctca ttttgtttat cttctttcta 300
tgataacatt gatgtctttt ttaatgaatt tgctctgata aacaaaacat atttttgaaa 360
aacagagtta anagaaactt cttttgcgcg gatcgtatca canacttt 408

<210> 3206

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3206

agcttagcca gttgcccata cgtgcttatt ctacacatgt gcacttagcc tgcacttggtg 60
cgcttactcc aaatacgaaa tattttanaa catggaattc tttgggctta tcgcagcgtg 120
caagcttagc gcaacaaaac aacatgtgct tgctaagcga acacatgcac attgagcgca 180
tagcataatc agacaacaaa caacaacaaa catttgcact taaatcaact aacacaaata 240
ttcatagagt catgagcata accaaaatca acctaacatc aacacacaaa ccaactaaca 300

caattattaa acaagttaca gaaaagagga gaaagacaca aaccaactaa cacaattatt 360
 aaacaagtta caaaaaagag gagaaaaagg gtataaat 398

<210> 3207
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 3207

agcttatgct gcaaacattt acaatagatc tcctcaacct cagcagcaaa atcaaccata 60
 gcaaaaaaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120
 tctcagatgg tctagccctc aacaacaaca acagcagcct gtccttctc tccaaaatgt 180
 tgctggccca agcagaccat acatttctcc accaatccaa caacaacaac agccccagaa 240
 acaacaaca gttgacgctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc aacaagagac cagagcctcc attcagagct taactaatca 360
 gatgggacaa ttggctacac aattaaatca acaacagtcc ctgaa 405

<210> 3208
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3208

agctntgata ccaattgaga agaacatctt caaaatcaca ttacaagtta gttttgtaat 60
 tggccttatt ataaacacta gaccagaatc ccatgctttc aatgtaggac ccaagtctca 120
 tacctagcaa ttggatccta caagagttgc ttgattcatt attgccgcta ttgtcactgt 180
 agaagcactt tctcaccagt catgccatta cagtgtttct aaaggtagcc atataatgct 240
 tcatntgct attgatactt gtttttatta tattgactca tgatgtttac atttaaattg 300

<210> 3209
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 3209

agcttcagga tggtcaattg cttcagattg ttgcacagaa gggcaaaggc ctgtgtggtg 60

gtcgacagac gagcataaac cacagagtct ggcgacaggt gcagattttt gattcatggc 120
 cagggtgggtt accagggttaa ccaaggcatc tagtttacct ttaagctttt tagtctcagc 180
 tgatgaagat gaatttgtgg ctactttatg cactcctcta atgacaatag catcacttct 240
 ggcaactaaat tgctgggagt ttgaagctgt cttctcaatt aaatttctgg cttcagcagg 300
 ggtcatgtct cgaagggtc caccactggc agcatctatc atacttctct ccatgttgct 360
 gagtccttca taaaaatatt ggatgagaag 390

<210> 3210
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3210

agctttgcgg atttgggtctt cgccagtgaaggatcgatg tgggntccga aagaggcaaaa 60
 tttgatcatc ctactaggac gactgaaaaa actggggcaa ataaagaggg tgaggataag 120
 ggagaaaccc atgttgtgac tgccattcct gtacgaccaa gtttcccacc aacccaacaa 180
 tatctttact cagccaataa caaaccttct ccttaccac caccaggtat tccacaaagg 240
 ccatacctaa atctaccaca aagtctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacaaccc caaaaacacc aaccaagaag tgaattttgc agcgagaaag cctgtagaaa 360
 tcaccccaat tccagtgtcc tatgtgtgact tgctccata 400

<210> 3211
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 3211

agctttgaaa aatgttgttt ttcaccttct cgctaagtca atctgttggc ttagtgagcg 60
 tccactaagt gcaacactca tgggctaagc gcgaggaaga ctctggaaga agatgagcta 120
 tacaggttcg ctaagcacac cgcttcatct cactaagcgc accgcttcaa ttcacccgct 180
 aagcgagaaa ggcacgcact aagccaaaat tcaactaatgt gcgctaagcg gtccataatt 240
 gtgctaagcg cagagcacg aacaaggcca cctatttaag cttgaaatca tatttttagag 300

ggagagtttg gactaggatt cagagctttg catgtctaga gtttctagag agagaggggt 360
ccaagttcca gagagttttg agagatttt 389

<210> 3212
<211> 388
<212> DNA
<213> Glycine max

<400> 3212

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcg tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttctt agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaaaaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaagaggacc agaaggtgaa gcttgccgcc acagagtttt ccgattatgc 300
tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360
tacatggacg gagatgtaaa agatcatg 388

<210> 3213
<211> 290
<212> DNA
<213> Glycine max

<400> 3213

agcttctatc ttcgagtatt caattcatta taactgctac atagtattga acagttttga 60
acgaattgca cgaaaacagg ttgcggctgt tttatagaat aactcaattt caagttgggtg 120
tttttacgga aaacatgttg tgccatttag aattttcctt actttaatac agttacatat 180
tgatctgttg ggtgtgcagt tggcctggag ccgtggattt atagtttcat gtgggatctg 240
attctcaaat ttcgattgac ttgtaagca aaggttattc caaaacgcat 290

<210> 3214
<211> 387
<212> DNA
<213> Glycine max

<400> 3214

agcttctata gaaggttcgt tcctaatttc tctacaatcg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aagaaaagct tactaaggca cctgttctag ctcttcctga cttttctaaa acttttgagc 180
tagaatgtga tgctcttgga gtgggagttg gagctgtatt gttcaagggtg ggcaccctat 240
tgcttatttt agtgaaaaac ttcatagtgc caccctcaac taccacacct atgataaaga 300
gctttatgcc ttaataagag ccttccaaac ttgggaacat taccttgttt ccaaggaatt 360
tgtcattcat agtgatcatc aatcact 387

<210> 3215
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3215

agcttgctcaa agaatccaac ctctcatggt agaagcaaac acatagaaac aagatttcac 60
tatcttaggg atcaagtga caaagagaaa ctgaaagtgg agtactgcta cacatttgat 120
caacttgctg atattttaac caaacccctc aaaggggaga ggtttaaaat gttaaggggc 180
ataattggct tgatgaactt aggagatcag aattaaggga aggtgtgaga gtttaatttt 240
gttttggtg gggtagattt gtttggtgctt tgaatataag agagagtaac agaattttta 300
aattctgtta taagtactag cctaagtgtg aagggttatt actctgtntt tgcttgata 360
aaagggcata catacatctt aataaa 386

<210> 3216
<211> 366
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3216

acatattgtc ctttcatggt gattttcagc cttggagttg cagcgtaaga taaaggaaaa 60
tagganatat gatacgccat ccactataga ataaccatt gtatgagaag cttcaccatc 120
aagagagtgc cttggataaa atgcttaaaa aagaagcttc aatgggtggaa gagaatgaca 180
tagagagagg gggggggggg cttatctcat tccatcctat tctcggttatt gctgtctctc 240
tctctccct actcatctgt acattcctta ttatatacac cctgttactc tacaccagtg 300

tcacaatctc ctatgtttat tatectatca tcatcatgta actattagtt gtgtactttc 360
tctacg 366

<210> 3217
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3217

agctttcntc accactagat ttctgagcaa ctccttcttc catatttcta tgagggactt 60
aacaaaatgg agaggagtat gattgatgct ggcaatggtg gaacccttgg tgatatgact 120
catgctgagg ctaggaattt gattgaaaag atggcttcca actcccaaca attcagtgca 180
agaaatgaag ctattgttct tagaggaagc catgaggtgg ccacagattc atcttcatct 240
acagaaaata aaaagctttg aggaaaactt gatgccttgg tccacctaata aactcagctt 300
gccatgaatc agaaatctac acttggttgc agagtttttg gtctatgttc ttttgcagat 360
caccatacag aactatgtcc ttctttgctg caatctggaa tcaatg 406

<210> 3218
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3218

agcttgtaat,gagcttcana acaaagattg gggaacgtat gctcanaggt gatatcanag 60
ggaaaataatt caagggtagg tccaatttgg taagaagttt ataagaacaa aattggccta 120
atcatttcca aatatgcatg tgaattagga agcatcaaca agaatacagc caaggctatt 180
gtgcaagcaa tcaatggggc aaaacacacc aaaagattat gatgatggat ggctcanatt 240
ctcaaaaagg taaacttatc actttcaaat tgagcttcca aaactatcat gacatgtaga 300
ggaaaaacat ggattttcaa tcacaaaatg tcaagagact tttattttca gaacaattac 360
ccatttcttg aacatatcct ataattcaaa gaanaatatg 400

<210> 3219
<211> 107
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3219

tgcttgagat gaggaagtgc gaaggattaa acttcctgct tttattgccg accacagagt 60

ggtacctgta gatatgtcgc gngngtcagg agaccttggtg gacgtta 107

<210> 3220

<211> 358

<212> DNA

<213> Glycine max

<400> 3220

aatttctccc acacttttgg ggagggccat tgctggatgg ccttgaatat actagggtac 60

acttggaacc tatttctacc acctacaaaa cctaagaaaa ctattttatc tacacataag 120

gtactcttct ctatatttgc atagaggggtg ttttctctaa ggactgaaag aacttgcttg 180

agatgtccta agtgatcatc tacgtctcta ctatacacta aaatatcatc aaaataaaca 240

actacaaatc tacctatgat atcccttaag acatgatgca taagcctcat aaagtgcttg 300

gtgcattatg gagcccaaaa ggcattacta tccttcttac aaaccacact tgggtcttg 358

<210> 3221

<211> 249

<212> DNA

<213> Glycine max

<400> 3221

agctacaata taaagatggc ctcaacatat tccttatttc cagaaggaaa ctctatcaat 60

aaacctccaa tctttaatgg agaggggttac cactactgga aaaccggaat gcaaattttt 120

atcgaggcaa taaatctaaa tatctgggaa gccattgaaa taaggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctaaagat 249

<210> 3222

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3222

agcttatttc tagaatgttt tatgtttctt aaaataaaaa agagaatacg ttatgtcaat 60
tttaatactt ttttcggtct ttttacatga agaaaaaaaa aacatgagtc cattttgttg 120
gtcttaattc acattaaata ttgcagtatt atggttacta cgtaaatacat ttaattctga 180
gtatttttta aataattttt taatttctga cattattaaa attaagtaag ttgcctattt 240
gtaaggacgg gaaggaatat gtattgaaat gacccgaagt ataatacaaa acctacctaa 300
naataaactg tctaatttct caaacataaa cctgtcaaaa gtttctttga agcatatcga 360
atcaatgaga tggattgggt caaaaacacc ccta 394

<210> 3223

<211> 266

<212> DNA

<213> Glycine max

<400> 3223

agcttcaaca cctccctttc gatgttattg tgctccctac tcttttagatt gaattttgga 60
gtttttctca ttgaacagcg ttttccagtt tagtgatttt tgaattgtga gggttcgatga 120
tggtgatatg agcatgaatt gaagggataa atgaataact tgggtgtgtg ttgaagtggg 180
aatattgatt aattacgttt tttttgttgg tgagtttatg catatgatgc ttcgagattg 240
catatttctg atgcggatgg agagggc 266

<210> 3224

<211> 403

<212> DNA

<213> Glycine max

<400> 3224

agcttgataa cccattcttc tttccttatt acatgatgca taagcctcat aaaggcgctt 60
gggtgcattag tgagcccaaa aggcactact agccattcat acaaaccaaa cttggtcttg 120
aaagcgggtt tccactcatc accctttttc atcctgattt ggtgataacc acttttaaga 180
tcaatttttg aaaagggtatt ggcacatgc aactcatcaa gaaaatcatc aagtctagga 240
atggggtgcc tatactttac agtgatgttg ttgatggccc tgcaatctgt acacattctc 300
catgtaccat ccttttttggg caccaacaac actggcacia cacatgggct taggctctct 360

tggacccaac ctttctccaa caattcttta acctgagact cta

403

<210> 3225
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3225

agctntagtg actgtgtgca accacatatt ttacattgag tgttctcttt gatatgttct 60
acagttgatt ttgcacaaat ttctaattgt cataacatat gattcatgaa aacaatggag 120
gactttccca aaaactagat gagttcagat gtttttgcac ggacttgata aaaaaaacat 180
ttgaaacact gatttgattt gaatatggaa acaagcctta agtttttagtg attgtgtgca 240
accatagatt ttacattgag tgttctcttt gatatgttct acagctgatt ttgcacaaat 300
ttctaattgt cataacatat gattcatgga tatcatttag gttttcttgc tttctttaca 360
ttttaagcca ctggccaaaa agttatccc 389

<210> 3226
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3226

agcttgatag gaagatctgc tgagagcttt tgcttttgta aaagttntaa aaaaataacc 60
aaacactctt aaaaaataaa aaagatcttt ttccagtaga taagataata aaagatcttt 120
tgggccacat ccaaacgggc ccgatatatg atcagattgt atatatacat taacgttgta 180
tttcatctca ttttcatttt attttattgt tcgattcttt ttattacatc acttattata 240
tttataaact ttttagttta aatatatttt ttccctatat tatgatgata ttattgtgta 300
tcacattagc acaaaagtca tatcattgac cgacatatca tcattacaaa aaaaaattaa 360
aa 362

<210> 3227
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3227

agcttcaacg ctcatataag aaacatctat aanatttatt tctgatttgt aactcttaag 60
caaacattct aaaatgacaa ggaatagaca taagtaaaaa aagtatagat ggattcacac 120
atttcacctt aaaccttcta tattgtttat ttccattata ataagtaatc atcaatcttc 180
cacttaagat tccccaaatt taagaagatt tacacactac tatgcttcca atcctacaat 240
aaacttattc attttgactt accacctaag aagcaaaaac aatggacaca agcacaaca 300
actcatttac cagattcaaa agtaatacaa aattgaaatt ttaattgaac ttacaatgg 360
aaaggaaatt tgaagcatgc atagttatta aattagatgc aacta 405

<210> 3228
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3228

agctttctga agttttctgg ttttctaate attgaaaact tgtgctattc atccttttta 60
ttctttcttc cctttgccaa aaagaattcg ccaaagacta atcgctgaa ttctttttgt 120
gcctctcttc tcccttttcc aaaaggacga aggactaact gcctgaattc ttttgggtct 180
cccttctccc ttctcccttg tcaaagaatt caaaacgaca tagtccgaga attcttttga 240
ttcttcccat tccctaatac aaaagcgttc anaggtttaa ccgcatgaga attcttttgt 300
atccccattc acaaagtatc aaaggtttaa cagcctgaga tctttgtctt aacacattgg 360
agggtacatc ctttgtggta caagtagagg gtacatatcc 400

<210> 3229
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3229

agcttgcaat aagatttctg attcaggttc ctaatgtatc gagacattgg ttattgaaca 60
atggaaactc ccgagaaatt aaaatcgta ttacttttca ctcgatgtc cgattcaggc 120
acttcagata tcgagacgct cgaaattgaa caacggaagc tctcgagaat taaaatgg 180

cattacttta cacatggagg tccgattcat aaacatcaca tgtcgagatg ctcgaaattg 240
aacaacggaa gctgaagaga atttcaaag gtcataactt ttcacttgga tgtccgatnc 300
aggcgcatca tttatcgagg cattggttat tgaaaa 336

<210> 3230
<211> 130
<212> DNA
<213> Glycine max

<400> 3230

agcttcttga acgggatcaa tatattcatt ggcataagatt aaaggatgat tatgtggtac 60
gtgatatctt ttggtgtcac cctgatgcag ggaagttata ccacgcatgt aaattgaagt 120
tttgatagat 130

<210> 3231
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3231

agctnttgca agctggaatc atttatacta tctccgatag ccaatgggtg agtcccgtcc 60
aggtagttcc aaagaaaatc ggccacaccg tgataaaaaa tgagaaggag gagttgattc 120
ctactcgagt gcagaacaat tggagagtat gcatcgacta taagaggctg aaccagggtta 180
ccaaaaagaa ccattttcca ctgcctttca ttgaccagat gcttgaacgc ctggcaggta 240
aatctcacta ctatttcctt aatgggtttt ttggttatat gcaaactact attactcctg 300
aggatcagga aaagaccaca ttcacctgcc ccttcggcac ttttgccat aggaggatgt 360
ctttcggcct gtgcaatgcc cctggtacc 389

<210> 3232
<211> 389
<212> DNA
<213> Glycine max

<400> 3232

agcttgccac ccagctcgcc caggcgagca aggtggettc ctccagaagc aaccgccttc 60

tggaggaatc ttctggaggg cccaagtggg cctggttgc atttgcaccc ccatttttac 120
 taaatacacc ccctaccttt ttttttggtg attctttttt cgtaaagtta cggaaattta 180
 cgaattttgt aatgatactt gttttatttc cgtaatgtta cggaaccttg cggattacat 240
 aatgatccct tttttgactt acggaatgtt acggaacctc actaattgtg caacgatgct 300
 tccttttgac ttccggtgtg tcacggaacc ttacggattg tgcataata ctttcttttg 360
 atttccggca cgtcacggaa cttcacaaa 389

<210> 3233
 <211> 389
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3233

agcttattat gatacaatat tgagcttatt taacaagggc gaatgttatt ggagctaaat 60
 cttgtatcct aaccagcctg ctctatgggc gaatctgcag tcacacattt aacttaaagg 120
 tgtggaggct ttgaaagccc aatatttgac cacaatcagt ctttgcaaag actaaaacaa 180
 ctcacaatct tgtaaacatc acgcataaaa ttatgaaggc tttggaaact caacctctaa 240
 ccataattaa tatttacgaa gatcgaataa cctacaaagc attttgtaca acctcataac 300
 aaaacattgt gttnggggtt accccatagt tgatttcatt attattagt taatattaaa 360
 tgcttacaga gaacttgata ataataaaa 389

<210> 3234
 <211> 299
 <212> DNA
 <213> Glycine max

 <400> 3234

agcttgctc ctatagtagt cgtaactctt gcacgagcct tagtgaagaa cttcatgact 60
 attacgaagg aatgcatagg tcacatctta cacctcactc ccatagagga gagaaggaaa 120
 gaaagcctca agaggctaac attaacctcc cataacttcca ggggaaggac aatctacagg 180
 ctaacttagt tttggaaaaa gggcccagca ctttcttaa aagagagccc cgcccagatc 240
 tatgggctct cactcttctc caaagaaata ccaagggtcaa ggcactctta ggggtgacac 299

<210> 3235
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 3235

agcttctaag aatcaagatc aagattcatg actcaagatt caagaatcaa gagaagactt 60
 aatcaagata agtatgaaaa agttttttca aaaactgagt agcacatgga tttttctcaa 120
 aacttgttta ccaaagagtt ttactctct ggtaatcgat taccagatta ttgcaatcga 180
 ttaccagtag caaatgggtt ttcaaaaagc tttcaactga attacaacg ttccaattga 240
 tttcaaaaag ctgtaattga ttacaatggg ttggtaatcg aatacc 286

<210> 3236
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3236

agcttataag aaanaaattg cctaaattat ttccaaatat gcatgtgaat taggaagcat 60
 caacaagaat aaagctaagg ctattgtgca agcaatcaat ggggcaaac acaccaaaag 120
 attatgatga tggatggctc aaattctcac aaaggtaaac ttatcacttt caaatcgagt 180
 tttcaaaact atcatgacat gtagaggaaa aacaaggatt tcaaatacaca aaatgtcaag 240
 agacttttat tttcagaaca attaccatt acttgaacat ttcctatatt tcaaagacaa 300
 acatgcaaat ttaacacaac aaaactaaca aaattaaact agaaccaaac aaaactaaca 360
 aaattaaact tatttaacac aactaaca 390

<210> 3237
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 3237

agcttcacat aatttttttt tcacaaactt tagttttgga agaccaatta ctaaattcttt 60
 cctaactaga tgattgagat gatgcatggt tatgtgtgca gtctacaat gccacaacca 120
 agaatcatct ttcttactta ccaacaact cagttcatga aacgatgcat gttcaatggt 180

taacatatag atattaccta tccttttacc aatatggaca acctcactgg atatggcttc 240
 actagtaagg caacaattct tgttgaattt gattttgaag cctttgtcac atagtggct 300
 aatgctcagg aggttatgct ttagtctatc aacatataga acattctttg tttgtgtttt 360
 gtactaattt ccaatat 377

<210> 3238
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3238

caatggggtt tgactttttc aaaattgggt tcaagggttt ctaaagtcac actcttctaa 60
 atggtccttc ttgaccaga catgaaagag tctataaaag caaggctttt gtttgcattn 120
 taagacaatc taatcaatcc aatacaatct tttacaagcc ttgaatctct ttgaacttct 180
 tcactttttt tgtgcaaaa gctttccaaa agtttctgggt tttttaaaacc ttgaaaactt 240
 gngttattca tccttttcat tctcttctcc attttccaaa atgaatt 287

<210> 3239
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 3239

agcttcttat ccaacgctca tcttgggtgt gaagctcctt cttccatggc ttattcccta 60
 gtggatggcg cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
 aaccaccatt aaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
 gcaagcttcc atcaatagtt gcgtgatagc ctccctctcg gttgttctcg cacagttggt 240
 cacccttcaa tatcaggggg tggcccagga actgataaaa ggaaacggtg gccccataac 300
 caggagcgca agtcttgggt aagcatttaa aggcaaagga ccttaaattc tcttaagggtg 360
 cagatgtgga gccctctgaa agcgaggatg cgtagccctc taaagg 406

<210> 3240
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3240

agctntatca aatggatggtt aaaaggggtt ttctaaatgg cttaattcat gaagaagtat 60
atgttgaaca acctccataa tttgaaataa cagataagcc aaatcatggtt tatagattga 120
aaaagactttt atatgggtttg aaacaagccc caagggcatg gtatgaacgt ctaagtaaata 180
ttctttttaga aaaagattttt tctagaggaa aagtggatag cacactattc ataaagagaa 240
agtatgatga tattatgtta gttcaaata atgttgatga tataatattt ggatccacta 300
acgattcatt gtgcaaggag ttctctcttg atatgcaaag cgaacttgag atgtcaatga 360
tgggagaact aaattacttc ctgtggttac aaa 393

<210> 3241
<211> 402
<212> DNA
<213> Glycine max

<400> 3241

agctttgcgg atttgggtctt cgccagtgaaggatcgatg tgggtccgaa aagaggcaaaa 60
tttgatcatc ctactaggac gactgagaaa actggggcaa atgaagaggg tgagaaagag 120
ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaaccaaca 180
gtgtcattac tcagtcaata acaaacctcc tccttaccba ccaccagtt atccacaaag 240
gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt 300
tagcacaac caaaaaaaca ccaacaaaaa ggaattttgc agcaaaaagc ctgtagggtt 360
caccacaaat tccgttgtca tatgctaaac ttgatcccat at 402

<210> 3242
<211> 322
<212> DNA
<213> Glycine max

<400> 3242

agcttcttga acggcatcaa tatattcatt ggcatagttt taaggatgaa catgtggtac 60
gtgatattctt ttggtgacac cctgatgcaa tgaagttata caacgcatgt aatatgatgt 120
ttttgataga taataacctac aaaataaaca ggttctaact cccactactt gactttgttg 180

gtgtgacacc aacggggatg acattgcttg ctggatttgc atatctggag gctgaacgtg 240
 ttaataatgt ggtataagct ttataacagt ttgagggtttt tttttaaaac gcgatgtctt 300
 tcctggagtt attgtgattg ac 322

<210> 3243
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3243

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 atgggtttct ttttgtggct tcattgcgga ttcttagggt ttgaagggtg aaaaaagctc 120
 tatctcgatc aatggaggcc gaggcagaga acaacgacgt gaagaaggaa gaaaacatct 180
 ttgataacca caacgacaac aacaacaaca acaacaatga aagtgacaac aaaattagga 240
 attcgagcga gggctctgagc aagcccaagc gtcaaataaa gatgtcgttt cagcttgaaa 300
 tgctcgagaa agcttatgtg gggttggttat cgctaacctt tcttatttta ttttttttct 360
 tgggtcaattt ctagggnntt ttattgctca tttttt 396

<210> 3244
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 3244

agcttgcatt atggtattta ttgtggtttc aaatatattt ttgcctgagg tctggttatt 60
 accatgagac aagagatgtt gcccaatcat cacatcaatt tgctcctttg gtacatactg 120
 tggtcactac ttatttacta atttatgatg tagtctttct taataattta cttatttctg 180
 acagttgaca gagtggatta ataaaggagg gatggtacca gaagagattg cagctgccgc 240
 agcatctgag gaatgtgaaa gaatattgat tctcattacc cattgactta tgaaattcaa 300
 gtacataaaa aatttatata aaaaatatag aaaataatgt ttaatttcca actatcaaag 360
 ggtataaatt gttgggtggtt ccttatattt t 391

<210> 3245
 <211> 395

<212> DNA
 <213> Glycine max
 <400> 3245

agctttaaaa tttgaattaa aacgttcata aactgctggt aatcgattac tatatatgtg 60
 taatcgatta cacagtgcaa attttgaatt taaattttta tagctgttgt aaatcagttt 120
 tggccaccgg taatcgatta catcctctgg taatcgatta ccagagagta aatttggtga 180
 aaaagacttt tttaacttaa aattccttggc caaacctttt gcaatttcaa ttggaattcc 240
 cttcctattt aatataccttt ctaagactct atagactgtc ttgatcatcc atcttgaata 300
 tctttaattt ctttgtcttg aataaagctt tgagacgcat gtgaaacttt ggcacatca 360
 aaacattcag ctttatcctt tgtctacaaa ttggg 395

<210> 3246
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3246

agctnttaac tgggaaagtc tctcatatac tttntgagat gtttaaggat gtctgaaatg 60
 aaaataaaaag gtcataattgg attggaagat ttgtctaaaa caatttgta ccacattgga 120
 atgcacctgg gtatcgttcc aagtgtgctg aagcaacaaa taaaaataaa aaaattgggc 180
 atctgaagaa ggggtgggtgt atgctgataa gtgggttctat tagcttggag tatcacacca 240
 ttctgtttgt atgtacgtta aaaatataat acatacttct ttgtacttgg ttaatttacc 300
 acttattttt ttattttata atgtttgtta atagtcagag acgctgggtc gattggcata 360
 cacatatgag ctcttttcagc aaactcatt 389

<210> 3247
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 3247

agcttctttt ggaccttgaa caagcaatta actcctcttt cagaaccatg ctatgtgctc 60
 gcgactgggtc tctttcttcc cttcgcaact tgagttcact attgctaccc catagagctc 120

cgcgaaatTT gtccggcca tactcttct tgcgagccct cttgggtctct tgttcaaggg 180
 ctcttgcggt aattgcattc tcttcccgta acctggcaca ctcttccga acgtgtgtag 240
 cggccaactt gaacttctcc ttgcaagtt ttgcttttcc taactcgcta ttgagagctt 300
 ggacttcttc gtctcttcc ggtgcttcaa aactctcttc gctgacgact ttttaact 357

<210> 3248
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 3248

agcttttgtc gtttgaatTT gctatgagct tctggtttct attacgagta actcgaaata 60
 ctacggaacg cagtcaaaca tccgagtaaa aagttattgt catttggatt tgctcaaaga 120
 ttctgttttc aatttgaagc gtctcgatat attacaggac tcaattggac atccgagtta 180
 aatgttattg ccgttttaat ttgttacgag cttccatttt caattacgag cgtctcaata 240
 tattacggga ctcaatcgga tctctagtt aaaagttatt gtcatttgaa ttgctcaga 300
 gcatctattt tgaatttcca gtgtctcgac atactacggg actcaatcat acatccgagt 360
 aacaagttat tgcggttgg atttg 385

<210> 3249
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3249

agcttatggc ggcaaaggat aagctactct acctgaagca tgttgatggt ggtgtttaag 60
 aacactgtat ccttgaaaag caaaaaaagg tcagcttctc aagggcaggt aagactccta 120
 aagttgaana gctagaattg gtgcacacaa atgtttgggg gccagcccca gtgaaatctg 180
 ttggaaactc acgctattat gtcaactttta tcaacgagtc taccagaaaag gtatgggttt 240
 attttcttaa aaataaatct gatgtgtttt ctgtgtttta aaggtggaaa atagaagttg 300
 aaaatcaaac aggtctaaag gttaaaagtc tgaaatctga caatggtagg gagtatgata 360
 gtcaggagtt taaagacttc tgttca 386

<210> 3250
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3250

tgcaagctng aaatgaggaa gtgtagaagg gtgagacttc ctgcttttat tcgttgacca 60
 cagagtggta cctggagata tgtcgcgggg gtcaggggcc ttggggacgt caggtggggt 120
 gctattgccc aaaaccaagc ttgaccaatc ccgacccaac ccgagcatag tcagtcagt 180
 agaacctgtg atgtacctaa gcaggcgagc tccgggcagt caacagataa aaggaacaaa 240
 gaccacaaag caaggaagct tgtgtggtgg ctggccagct gtgaatctta tgtgatatgg 300
 gttatggcct ctggtaatcg attaccaagg gtgggtaatc aattacaagg cttaaaaaatg 360
 aagacaagag gctaagatgg tctctgataa tcnattacca aggggt 406

<210> 3251
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3251

tgcaagcttg cagaattggc cttcgccagt gttatgatca atgtgggtcc gaaaagaggc 60
 aaatntgatc atcctactag gacgactgat aaaactgggg caaataaaga ggggtgaggat 120
 gagggagaaa cccatgctgt gattgccatt cctgtacggc caagtttccc accaacccaa 180
 caatatcttt actcagccaa taacaaactt tttccttacc caccaccag ttatccacaa 240
 aggccatccc taaatatacc acaaagtttg tctaccgcac ttccaatgac gaacaccacc 300
 tttagcacia accaaaaaca ccaaccaaga agtgaatttt gcagcgagaa agcctgtaga 360
 attcaccaca attccagtgt cctatgctga cttgctccca tatctactt 409

<210> 3252
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 3252

aggccggaga tatatcggtg taacgatacc taatcactca ttctattttc tctcctcgg 60

caccagtgc cgtgaacttt ggaccggtta tcctatgacc gagctgcac tattgacaag 120
 ggaacggggt ttagggagcg caatcggtt cacgaatcgc ggccggagac tacatcacgt 180
 ggacactcaa ggcgaataa tcgccggggg gccaacactt gaacaattgg gtaatttgag 240
 gggacagaag gtcatatcca cgctcggtcg cactccacat tgcaatgcc ggctggaag 300
 cgaggaactg ctcagctgag tgctggaata ttgaatgggc ctcaaactt ctccattgct 360
 aagaccagcg atcatgcctt gtggtggatc caaaccaatg gcccttaca ttaagggcc 420
 taaggaacct taattgattg ctaaatagac cttcaac 457

<210> 3253
 <211> 362
 <212> DNA
 <213> Glycine max..
 <223> unsure at all n locations
 <400> 3253

agctntgtga gcttcaaaag ctcagcatgt tcactaccct gaagaacatt gcaagttgag 60
 ttctgcaagg taagaacagg gattgcaaag attgagtgtg cagttcttcc ctcagacaac 120
 aataaggatg ttatgccact tgatgcaact gttaaataa tatgtccctt tgaacgaaat 180
 gcagaggcta gtgtcttccg catgaaagtt tttcaatccc cctataacca taaaggaaga 240
 aaatgccacc atattgcata ttaacatcat tcattactat atcaaagata ctttnttgct 300
 catctgcacc aaggaaagtt gaaaatatc ttaattactt aagatatata aataattgaa 360
 tt 362

<210> 3254
 <211> 244
 <212> DNA
 <213> Glycine max
 <400> 3254

agcttatttg ggctgtggcc aggttagatg aagtatttgt agagggaagc tcattctcga 60
 tagggtttga gtttgcgccc gcattctcgg cttcaacgat gagaatgaaa aacttagagg 120
 agcaccggtg ccctcgagag aacttctcat tgcagttgaa gcacaaacc ttttctggc 180
 gtatcgcat ttctttaagt gacaggcggt taaaaggag gggatgtggt ttggctggaa 240

<210> 3255
<211> 394
<212> DNA
<213> Glycine max

<400> 3255

agcttgacac cattgcttgg tgctttcatt gctgattctt atgctggaaa gttctggact 60
ggtactgttg cttccatttt ataccagata gtaaagatcc tctcccgact ctttttctta 120
tgattgacaa gtattactta tatatcaaat tttaacttct tgggtgttcca atcatgtatt 180
ttgtattctt accattcgag aaaagtagaa tgttatctgc agtgatatgg atattattat 240
tagggtaatg gagctagagg atcaagggaa ccctttccct aaccctaatt ttattgaaaa 300
ttgtatcgga atattttggg ttttattggg tagctattat gaatattttt attagggtttt 360
aatagtgaga gaaatttaaa tttagtatct cttt 394

<210> 3256
<211> 391
<212> DNA
<213> Glycine max

<400> 3256

agctttgcag atttggctct cgccagtgaaggatcgatg tgggtctgaa aaaaaaaggc 60
aaatttgatc atcctactag gacgactgag aaaactgggg caaataaaga gggtgaggat 120
aaaggagaaa cccatgctgt gactgccatt cctgtacgac caagtttccc accaacccaa 180
caatatcttt actcagccaa taacaaacct tctccttacc caccaccag gtatccacaa 240
aggccatccc taaatctacc acaaagtctg tctaccgcac ttccaatgac gaacaccacc 300
tttagcacia accaaaaaca ccaaccaaga agtgaatttt gcagcgagaa agcctgtaga 360
attcacccea attccagtgt cctatgctga c 391

<210> 3257
<211> 280
<212> DNA
<213> Glycine max

<400> 3257

<210> 3260
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 3260

agcttctttt ggaccttggg caggcgatta actcctctta cagaacctatg ctatgtgcac 60
 gcgacaggaa ccttactttc cttagaaaca cgagataact atagctaccc catagagcta 120
 cgccataaat gttacggcca tactctttct tgcgaaccct cttggt 166

<210> 3261
 <211> 175
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3261

agcttgaaga aattnttaga ggaagaacaa gtcacatagt gtatgaaaat ccaattctcc 60
 tcaagagaaa gaagaactta gagaggaagg gagatgagta tgaaaagaat gggaggaaag 120
 ggaggctgtt acgctttaca tttgggaaag aagggatggt tgctatttgc atgtt 175

<210> 3262
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3262

ggctgcagct gtcgttgaat ctagacctgt gttttgttga aactaaagat atatttgaac 60
 aagctgaaat gattattatg gatgaaaatg ttgtcttatt taactttctt atgttaatag 120
 atattgtatg gtgttataat aatttgtttt ctgattatta cctttggact atgatttttg 180
 ttcttgcagg ttgacaagat tcatgtcctt ataagaaaag aggagttaaa gacatggaaa 240
 ttgactctaa aggagaacaa cacttatatg atgcacaact ntaaaatttt taacaacgag 300
 ggccagtata agctatgttt gcatccatat aagttgattn ttactggtgt cactattgtc 360
 atagaagtgg accttcctaa tatcccttta aaggcatatg ag 402

<210> 3263
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 3263

agcttccatc acctcgggtt tctttaactt cgtgggacac ctttttcagc acaagggtccc 60
 cctcattcaa cttgtggggg cgcaccttct tgttgaacgc gttctttatc ctttgttgat 120
 acaggcgcct atgggtcatg ggcgtcaaac gcttaccttc aataagggtg agttgggtcgt 180
 agcgtgtttg agcccactct gattcttcta ggcccgattc tgctagtatc ctctgggaag 240
 ggacctctac cttaaacggg agcactgctt ccatcccata aaccaaggag tacagtgttg 300
 cccagtaga atttcgtacc aagggttcggt acccatgcag ggcaaaaggc aacatttcat 360
 gccaatcttt gtacgacact gtcataccct aatttcgtcc aagga 405

<210> 3264
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 3264

agcttgccgc cacggagttt ttcgactatg ctcttggtgt gtggaacaag ctacaaaagg 60
 agagaacaag aaatgaagag ccaatgggtg gtacatggat ggagatgaaa aagatcatga 120
 ggaagcggta tgtgccggt agttactcaa gggacttgaa attcaagctt caaaaaactaa 180
 cccaggcaa caagggggtg aggagtattt caggaaattg atgtgctcat gattcaagca 240
 aagattgaag aagatgaggt gatcaagata taaccaaggg caaggaccat gaagcacttg 300

<210> 3265
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 3265

agcttgcattg attcacataa gtctattatc aaacgggtta attcagttgg ttgaataaag 60
 tgtgagtgtt ataatatcgt atttgctgca acctaacatc acaacgggac gacgaaagac 120
 aataaaagag attttttttc ctaagaagga aacgagaggg agtcgccact aacattttatt 180
 taggggaaac gttagaaaaa caaaaaagaa agtctgtgaa atttgaaaag agagggttcgc 240

ga

242

<210> 3266
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3266

agctntggaa aatgatntgt atacaaaagt tagtcgtatg aagcgactaa cacacctcat 60
gcattatagc ctcaaaacca acgacaggca atgtaaaciaa gggagaattt tcctaaaata 120
tttagacaaa gttatgttgt gaaactcaaa gtagaaaaaa ataggcaatg catgtctttt 180
aagttttggg aaggctatgt aaacaaggga gactttgccc aaattttcct aaaattttta 240
gacaaattta tgttgtgaaa ctagaagtag aacaaaatag gtaatgcatg tcttttaatt 300
ttagtgtgag catatgctat tgccttttagt gttttggaaa atctaaccat tttatttttg 360
tgaaacttgt cttaaattaa attgacacac aatga 395

<210> 3267
<211> 387
<212> DNA
<213> Glycine max

<400> 3267

agcttgtcat aggtcacaata ggttccttca attcaatgaa ggtcctagtc accattattg 60
acaatcaact ctttttcaaa agaatacataa tatatgaaaa tttaacttac caacttgggc 120
gtaacaaatg caacacacct tctccgaata aaacaaaaac ttaataaagc attcataaat 180
caatattagt tctttccatt ccacaattac caacaataat caccactctc attatgaact 240
tgtacaaagt acaacaaaac caagaatacc tgatcttagc atctgcacaa aaagactcaa 300
tgcttgagag gcataccctc tctgggaata agctgatatc atagccgtcc acgacaccac 360
attcctctgc ggcattacat caaacac 387

<210> 3268
<211> 288
<212> DNA
<213> Glycine max

<400> 3268

agcttggtgt tccgcatgtt ttttatgtat tccattgcc a tgcattgctat gatggaacaa 60
 agatgattcg cctttgtttt gtttctgtgc caatctttaa tgtagatgc ataattcttt 120
 tcttcaaata attagttttt aatgtaacta caatacctat gtaagtcttc atctaccttt 180
 aattattgga tcatcatcct tttggtgaac tctacatgaa accataaaaa aaggaattct 240
 atgtgaatgg aaatttcaag attgtccttg aaagacatta tggatgct 288

<210> 3269

<211> 124

<212> DNA

<213> Glycine max

<400> 3269

agcttgacta acaccaatat gacaggtttt acaggctttc atcaaagctc ttaacaaata 60
 acttgataa gccataaccc tagtaaaact accactctta tttccaaaac ccatcccttg 120
 aaat 124

<210> 3270

<211> 159

<212> DNA

<213> Glycine max

<400> 3270

agcttctttt ggaccttgta caggcaacta actcctcttt cagaaccatg ctatgcgctc 60
 gcgactggtc cctttcttcc tttcgcaact tgagttcact attgctaccc catagagctc 120
 cgcgaaattg ttccggccat actcttctct gcgagccct 159

<210> 3271

<211> 297

<212> DNA

<213> Glycine max

<400> 3271

agcttcccgt atccgtactt ggaaggatct gattactgcc ttcctaaggc aatatcagta 60
 caattccgat atggctcccg accgcactca actgcataat atgttcaaga aagaggggtga 120
 aacctttaa gaatacgcgc agcgggtggag agatttggcg gcacaagtag ctctcccat 180

ggttgagaga gagatgatca ccatgacggt agacactctg ccagtgttct actatgagaa 240

gctagtaggt tatacgccat ccagctttgc ggacctagta ttcgccgggg aaagaat 297

<210> 3272

<211> 272

<212> DNA

<213> Glycine max

<400> 3272

cccgcgaag acactgacaa aaacttatct tctccttttt ggacaaagta tgacaagcag 60

ggggcaagta aattttcttc ccatcagacc ttggatgcaa gtgtgatcgt atcccatct 120

catctagatc ttgacgggta ttcaagtcac ccttcattct gccttgaatg ttaaggagca 180

tcccaatcac attgtcacat acatttttct ccacatgcat aacatcaata caatgtctaa 240

cgtctagatt agaccagtcc gaaagatcaa ag 272

<210> 3273

<211> 258

<212> DNA

<213> Glycine max

<400> 3273

aacaacatct tactaaagaa ttgaaacctt gagaaagcgg ctaacacctg accaaatctt 60

tgctctata atcttcttga ttgaagtatg acttcctcac tatcatagat caagcgaaac 120

ttggggagga agcatgttac tctccgaggg atcacctaag ggaagaatgc ttactctaac 180

gattgattac attgacttac gggcagaaaa aggagcaaaa tcaccatcaa aggaactcat 240

agtgataac acattcct 258

<210> 3274

<211> 395

<212> DNA

<213> Glycine max

<400> 3274

agcttttctt cccagtcttg tcaatgatgt aaatgcttca gaattgaacc aaatgcattg 60

aggccagctg tgatgagtga caaaaacaat gctgtcctgt tagatgcaaa accagccaac 120

tgaacaatgg tgggactata atacatcaca gtgttgattc ccacaaactg ctggaagatt 180

aagaggccca caccagcata taaacctctt ctcacagctg aagttcttaa aagtttgact 240
atgttgatct tctctgatga ttctgcttcc ttaatttcca tgtcaactga ttctttcaag 300
gcctgaattt cgccttcaac ttcatgtggt ggataaatct ttttcagaat cgattttgct 360
tcctcttctt taccctgtgg gaacaaaaat ggaac 395

<210> 3275
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3275

agctntgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
atcacgatta tcgtctccct ttccatcatt gngggtagca cctggggccgc cagatccctc 120
caccctttgg gcgtgttctt tgaaagatct gtcccccttt ttgcacatgt tccgtagttg 180
catcctatcc ggaaccatat caaaattata ctgatactgc ctaacgaagg caaccattaa 240
gtccttccaa gtatggactc gggaagggtc caagttagtg taccaggtaa cagctacccc 300
agcaagactt tcttagaaga aatgtattag cagttcctca tcttttgca tgcccttatt 360
ttccgacaat acatctttgg ga 382

<210> 3276
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3276

agctttgatg gagaacaacc ttaggatgta gagggtagac gcatggagaa gaagaaagcg 60
cgagcaaaat aggtggcgtc taatataatt taaattgtaa gttcaacatc aattttcaat 120
aaaaaaaaacc aatgtaaca aattcatgtt aacgttaaca tcggttttat tcaataaacc 180
gatgttaact gatcatcgt taacatcggg tttcagaaaa ctgatgttaa cgaactaagg 240
ctaacatcgg ttttctgaaa acccgatgtt aactaattaa tgtaacatc ggtttttcca 300
gaaccgatgt taaagtcact ttgttaacat cgattntatt caaaccgat gttaaagtat 360
acacaatatt cacaattatg ccacgacgtt tatcttaaca ttggtttt 408

<210> 3277
 <211> 274
 <212> DNA
 <213> Glycine max

 <400> 3277

 agctttttaa atggcccagg tttagatttc tctaaatgcc attgaagtaa tttttttata 60
 attttccatg ttaatcgagc acccgatttt cattcttcgg ttttttttca ccaaaaaatt 120
 tcatttcctg ttttttattt atcatagaac taatacaaag tagtttccat tgagaacggt 180
 accggtaaaa attaattaat cacatttaat aatattaatt ttaaataaaa ataataattt 240
 ttaaaataat ttatcattaa atcttgatat caaa 274

<210> 3278
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3278

 agcttttagct ntcttgttgt tcatgttgct ccccttatct ctaaaaaatt cattgttaca 60
 tacatccatc atccttagag tatgtgaccg gttaacgtat tctattattc atggattaga 120
 tgcccagaag tcctatgtat tcccttgacac tctattacat gttgaaaaat cctttggaag 180
 acaatccctt attgcagagc tttgtggatg gagatgatgc ttataagaac ctaggattta 240
 agttgatacc atatatttct aagggttcatt tataactaaa tgtgacatgt aataaacacc 300
 aacaaaaaaa atgcaggatc aggataataa gcgtatcta 339

<210> 3279
 <211> 388
 <212> DNA
 <213> Glycine max

 <400> 3279

 agcttcatgt cttcattgta acttacctgt gttgttatat tgaaaaccta ggtctgtttc 60
 gggaactcgt ggtaaccca aggacctttt ttggtttatg ctgcaaggat tgaggaactc 120
 gtgacctgag gtaccaggta agcttcatgt ctttgtgtca ttgtcactga tctcactgcc 180
 aatcttgttg ccattgtcac tgttgggttc aaggttaagct ttgtgcctcc gcgtacgtgc 240

taaatttgag aagcaatgct acctttttct aactcatgag ggatacatag acaataatat 300
 atttagaaat gttgcagtag ttttgtttgt ttcactcgct caattttaat tcaaataaat 360
 ttcttttagta ccaaattact acacttta 388

<210> 3280
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3280

agcttattaa tgtatgatta aataacattt aagacaattt gatcagttaa ttcattttta 60
 aatattttta taactgttaa tttgtttatt aatttcaaaa attattttta caaataaatt 120
 aattcaaaca ttttgtatat tttaatgagg aaagtatatg attcgatatt atcatttttag 180
 tgatgtattc aagtttcttt gaaatatatg attagataac attattttat cacgtattca 240
 cataatttaa ataaaaagtt acaataacgt gaggaatagt gaaattttgt tacgcaagat 300
 aatgaaattt gatattttct tattaaattg atatagaatg aaatataana atttaaaa 358

<210> 3281
 <211> 339
 <212> DNA
 <213> Glycine max
 <400> 3281

agcttgaagg ggtgctctgg acagaaactc aaatagcaaa gtgaaagctt cctcaataaaa 60
 attacttgcc cacattatgc aattcctaca aagggttagtc agattctttg tgatatggaa 120
 atactatcat aatttgcaat tgtcattaac actgggtttgg aaagaatacc gcgcttttca 180
 atttgtcatt tgattgtctt ttctttggaa ttatgttaca tacatagcag ttttgccttct 240
 aatgtttgat ctaacaactt agtcatgtca taacttttgg tctgaaatat tattcctcat 300
 tgtggggttg catacactac taaatactgg acattctat 339

<210> 3282
 <211> 482
 <212> DNA
 <213> Glycine max

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<210>	3283
<211>	355
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3283

<210>	3284
<211>	224
<212>	DNA
<213>	Glycine max

agcttattag tcggtctttt ccattttatt gtaattttgc attgccattg ttttttcatt 60
aactcttctt gtatctcctt tataatgtaa agattttgct aatcagtatc tctaagacac 120
tgattaagaa ttcaaaatga agggtttaaat aaaaaacgac attaatgcat atatactatg 180

atttccaaca cactttcaac gtgaattttt tttaaaaata tttt

224

<210> 3285
<211> 169
<212> DNA
<213> Glycine max

<400> 3285

agcttatgct aaattaggct aaactttcgt aagctgcttg agcagagtct agtcttacia 60
aagggatatg cggaccaaac tcagtataag ttagtctaaa cctaataagg cgtctaaat 120
tgggcctagt ccaacaagaa ggatctgagg atgaagctta gattgattc 169

<210> 3286
<211> 478
<212> DNA
<213> Glycine max

<400> 3286

tgtagtgagg cttggctaca acaatttatt gggttttcta ggattcaaat gtttagattt 60
taagagagca caaatcatag acttatccca atgatcttgt atcatacaag tagcttactc 120
actatctttt cctcttaagt tgcttttgac cttattgtaa caacacaatt tattcttttt 180
ttttaacata caacttattt gttgtgtgtg ctgatgctta acctttttct tttcattcta 240
attgacttcc cttccccaaa ttttagagtaa ctttgccttg aaccatatgc tctcctaaaa 300
tctaaacaag gtattaggag ataattattt aagtttaggg ttcaattcat gacaaaatca 360
tttagcttat acagggagca aaggatgcaa ttatcattca aggtaagctt ttttgtcaaa 420
aggcttgtgt atgtacaatc atggccttca tcatgtcctc atttatacat ttcattct 478

<210> 3287
<211> 182
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3287

tgaactcctg caatgttgng ctattccaag ttcatttacc atacctttat tttcgattgc 60
ttccttcact ccttcagcta ggcccatgta tctacttca aatgttgaca aaacatcaac 120

tgattgttga tttgctttcc aactgattgt tgtaccaaac aaagtgaaca catattctgt 180
ta 182

<210> 3288
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3288

aaagatgatg acggaggtga tgacttaaag ctcaaagatt taccaaagaa caactcaagt 60
gcattatgaa taattctgga gttcaagatt agaattcaaga agaattcaag acttgagaag 120
aacgtttaga gtcaagaatc aagattcaag gttgcagatc tcaagaatta agagcaagat 180
tctagactca agattgaaga atgaagagaa gacttcatca agataaggat taaaaagggt 240
tttaaaactt tgaatagcac atgagtttnt gacaaaaccc tttaccaag a 291

<210> 3289
<211> 176
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3289

agcttttttaa ataattcttg tcattcttatt actatttggt ttattattct aatggntgac 60
tataaatggg ttgttaggag ggaaaatctg cactatcacc cgagactctg ttgaaataca 120
tagatgaact tccattgtgt gcaaggtatt acgggttaca aatttttttg ttctaa 176

<210> 3290
<211> 482
<212> DNA
<213> Glycine max

<400> 3290

agcttgctct aaatttacat tgatgtttgt atttattgga ggaggttgta tgccattttt 60
gttttaagag tagcattcct tggtaaaact aactttccaa atgtttgcct tcgcaggaaa 120
tcggcccagag gaagcttgcc tcaaagaggt ctaggaagga taaggcggcc gaagggacta 180
gttccgctcc tgagtatgac agtcaccgct ttaggagcgc tgtacaccag cagcgcttcg 240

aggccatcaa gggatggtca tttctccggg agcgacgcgt ccagctcaga gacgacgagt 300
 atactaatcc ccaggaggag atagggcgcc agcgggtggac atcactgggtt actcccatgg 360
 ccaagttcga tccagaaata gtctctgaat tttatgccaa tgcttggtcca acagaggaag 420
 gcgtgtgtga catgaagtcc tgtgtaagag gtcagtggat ccccgttcga tgcaaagtct 480
 at 482

<210> 3291
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 3291

catgcaagct ttcacaagaa ccaagattta ctctttcaag tttttttgta tttgaataag 60
 tctagcatct caaattaagt cttggaagca ataaagaatc aattgccatt caacatggaa 120
 gggttttgaa taaaaaaaaat acatcaaaat actaaaaaat cattaaattc ttacgcgtta 180
 ctttt 185

<210> 3292
 <211> 656
 <212> DNA
 <213> Glycine max

<400> 3292

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 ttcaaaaaga gaaaaaaaaa aggaaaacaa taacatcatc tgcttcaaatt tttgaaaact 180
 tggacacatg aaagttgaat gtcacaagca taagaagaaa aggcattctg gaggtaaaaa 240
 aaatagtttg atggccgcgt gggatgatat acacaatgaa agaagcaaca acaattttaga 300
 taaggaataa gccaatatct gtctgatgct taatacagat gaaaaaattg aggtaaaaac 360
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 tgatatTTTT cttcaaaatt gtcatatgat ttcttttaca tgtgaaaaat ataaagaaaa 480
 ataccaacca tctatctgcg aaaacaattc tggttaagaat acaatgcata ttaataggaa 540
 aaaatctgac tctagaagag agtgaagca aaccaattct cctgaaaatt agacgaacca 600

tttttagtttt ataactaaga atgaaagagt tgtataacta agatttggga agtttt 656

<210> 3293
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 3293

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 atctcactac taagacagga aaggggacgg taggctctca tttgttgtgg tcccttagat 120
 gatttgtttt ctgcttcttc agtgtcagaa tatgtttctg actctccagt ttt 173

<210> 3294
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 3294

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 atttgttctg ggggaaaaat gaatgtggag aaaaccaaga tattcttctc agaaaacatc 180
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 cataaagtta atcacatatt aagtgggttg aaaagtaaaa tggtatccat ggccgggtaga 360
 ttaaatcttg caaagtatgt gaacaaagct ctccctcat atgtgatgca aattgtgaaa 420
 attccggcct acatttgtgg tgaaatttat agaaatgtag agcattttta tttgggggat 480
 gatgagaata cgacgagagt gcatat 506

<210> 3295
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3295

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 tttggccagc aatcagctat gggctacgcc ataaatagtt tccttacacc tagatgttta 120

gaaattttgt tcatcatgaa catgtaggtg taggataggt agcaaaatac c

171

<210> 3296
<211> 538
<212> DNA
<213> Glycine max

<400> 3296

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caaggctatt gtgcaagcaa tccatggggc aaaacacacc aaatgattat gatgatggat 120
ggctcaaatt ctcacaaaagg taaactcatt acttttgaat cgagctttca aaactatcat 180
gacatgtaga gaagaatcaa ggattttcaag tcacaaaatg tcaagaactt ttattttcaa 240
aacaattacc cattttcttga acatattcta taattcaaag aaaaacatgc aaattcgtac 300
gtgcacacaa aattgaccca aaatattaaa ctgaaaatcc gactaaacta acaacattta 360
caaattaaca caactaaca attaacaaaa ccaacaaaac tagcataacc aaagaacact 420
ctccccccat acttaaacaa cacattgtcc tcaatgtagc acaattaaaa gattaaaaaac 480
aattaaatca tcaaagagaa tcggacaagt gtattaaagc aaagaacgag ataggaaa 538

<210> 3297
<211> 167
<212> DNA
<213> Glycine max

<400> 3297

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aattcccttt tatttcaaaa gattctaatt aaatttgtga catttgtcat ttagctaaac 120
aaaaacgatt gccatattct cttagtctga gtagaagctc taaaatt 167

<210> 3298
<211> 566
<212> DNA
<213> Glycine max

<400> 3298

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aaaagagcat tccaaatttt aaacaaaatc aaagttggct ttcgcatgat atggaagtta 120

atagcatttt cttctgcaact tatgcaaaat tctgctgcac aatttcacag cacaaatctg 540
cataaagtgc agatttcgaa accacacttc cccatcatcca atcttgctca aataaatcct 600
tcaagtccaa aacatgtatc aatcatgtct aaaccaaagt caagcttcaa aacaca 656

<210> 3301
<211> 172
<212> DNA
<213> Glycine max

<400> 3301

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ttcaaggttt gagaagtga aatgagaatg gggtaaattt ggagcaaact ctcacctcac 120
acaagtctat aaacttaatc taaacttgct caaactgggt tttcacctaa aa 172

<210> 3302
<211> 533
<212> DNA
<213> Glycine max

<400> 3302

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ttgcatgctc tactcaagat atcattcaaa aagccttcat gcttcacact attggtagcg 120
aactgctatt ggatacacac aacacttatt gtgttctgt tgaccttcag aagcacctgt 180
tccttgacta cctttttgag ttatttcctt ctaaacctat ggtgtgcact cacaattttt 240
cagatttggc attactgact ccacctaaag tgttatgact aaagaatctc caaaggggtt 300
tgtcaacctg acatttacct tatcttttgg caacactttc ttgcaagtta ctccattgaa 360
tttgcctaat gcatacagt agcttggagc tagtcattat tggggctgct ggaggctgaa 420
tataactttt gaatgttgca tgagttgtcc aagttcttat agctagccac tctttacatc 480
ttcaacctct atcatacaac tcattttgac ttgcatctt catttctacc ctt 533

<210> 3303
<211> 172
<212> DNA
<213> Glycine max

<400> 3303

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<210> 3304
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 3304

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 accattgaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180
 gcttccatca ctttcaagt gttggacctt tcagaacaaa ctgagaattg tcatttctca 240
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 aatcaaatg cataaaaaata acacaactat cctaaaaaaa aaacaaatg cgattaacta 360
 aaagaagat aaagtaagaa atcctgggtt gcctcccagt aagcgcttct ttaatgtcat 420
 tagcttgacg agtcaaatgc cttcaagggt gcatgaaggt cacgtagaac acatcttctt 480
 tgcattctcg cctcttagtt agagacgccca tgaaac 516

<210> 3305
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 3305

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 gagtagtgca agaattgtct gttgtacacc tgctctttat gtatggttgg tctcccat 180
 tttttgtcat gaaggtaggc ctatatgttc cctacaaagt catcacatgt gtgccaagaa 240
 aggaaaagca aattgggagg aacttttggc aggtatggta agagcgttcg ttaattgggt 300
 tccccgatgg aaagaaggac gggcccaact tttttgctca tgtgaatgat tcccaacatc 360
 ccctgattg gaacaagggg tgggttaatt ataata 395

<210> 3306
 <211> 160
 <212> DNA
 <213> Glycine max

<400> 3306

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 tcgcgaacct ttgtttgtgg aagcagaatg acgactgtag 160

<210> 3307
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 3307

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 gggccttcga ggatgaccc tgcctatctt ctttttacgt tggatgcgcc gtcaatgtaa 180
 aagggtccacc aatctaggtg gttgtgttgt ttcctgtgaa ttctgccaga aaatcaacca 240
 tgaattatgt cttcttgggg tcgtgtggtt cgtactaaat gtcaaactct aatagttcga 300
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 agttcatctt gactaccacc tgatgactct agaaataggg cttgagtcac caggctgagt 420
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 tgcggctggt gaagtaaata ttgagctagc tgctttcct 519

<210> 3308
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 3308

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 aaaaaaaaaag atgtaagtct ttaaaaaggt tttgaatttt tttaattggt tttaagggtt 120
 tttttgtaaa aaatataact tttttaaata gggatttttg ttatgatatg aaa 173

<210> 3309
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 3309

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 tcccctagac tttgaattga gaaattggca gatcataaag caacccgaga tttatgattt 180
 gatgtaatta aacattccca gacccatttg ctatgcctaa ggcttttagga ttcacatggt 240
 gttgagcgta cttttctttt caattctagt gatcggtaat aaaatgcatt tcaaagacat 300
 atttccttct gcatctctta acatatttat tttcgttgcg attaaatgag ttgctgcata 360
 tctaataatg agttttgcga agacattgat atcgagatcc ctaatgtcaa ttttgagatg 420
 cccatcaacc ggagtgagga aaatgaagag aatgattggg aattgccctc tgatttgtg 479

<210> 3310
 <211> 858
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3310

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 gtgggggggt ttttttatat atcttcccta ctctcactta ttccggttgt tatacactnt 180
 ataggggggt tacggagacg acgtgcagtg tctttactcc ttttaactctg gactcgggtg 240
 taatcaatca ttgaccgggc ttactatctt cggagacttg aactggtaat gtacctctcc 300
 catcgggctg aattctattt atgtactctc gggggggcct cttttctggt aaggagttcg 360
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 aactctacca ttccgtaatt ttacttataa cgctatctc cactgttcgt cctgcgttca 540
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tgacacatct actcatca 858

<210> 3311
<211> 169
<212> DNA
<213> Glycine max

<400> 3311

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agatttacct gggccaactt tatcagagag aaatcagaca cctttgaag 169

<210> 3312
<211> 225
<212> DNA
<213> Glycine max

<400> 3312

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caaatcaact ctgccacatt cacaaatcaa acatgaaccc accatcccca attgtccacc 120
ttcaactgag ctcaagtact cctacgaatc ccttatactc gaacctctca gcaaccgggtt 180
cccatcaacc cctccaagct tccacaatag ttcattgtat acaat 225

<210> 3313
<211> 168
<212> DNA
<213> Glycine max

<400> 3313

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ctgaagacca ggttgctatg ctaaataag aaaccgatca agatcagccg aaattgggtg 120
cagccatgtc ccctagactt tgaattgaga aattggcaga tcatagag 168

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tatttagtac tcaagctcta aagtttgaat taaaacgttc aatagctgct ggtaatcggt	60
ttcacagtgc aaattttgaa ttcaaattggt aatagttggt gttaaattctgt tctggccact	120
ggtaatcgat tacatcctct ggtaatcgat taccagagag taaattctctt gaaaaagatt	180
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ttctttgtct tgaaaaagct tgagaaaacat gcgatctttt ggcttatcaa acatcagctt	360
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<400> 3315

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<400> 3316

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aggaatttct	tatcaaaacc	taagctctaa	taccactttg	ttggaaagga	gataggaagt	360

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<210> 3317
 <211> 170
 <212> DNA
 <213> Glycine max

<400> 3317

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 tgggtgtcgca acctaccctt cggcgggagg gtgacgcatt actcgcgggt gcatgttcca 120
 agaaaggaat atgcgcggag tcgccaccaa cgttttatttg aggaaaacgt 170

<210> 3318
 <211> 868
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3318

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 atagaatgaa gggaggcgga tcgagtctat tgaatagaaa ncatacacac tctacacccc 180
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 ccagcactag gcctttatat ctcttggatt caatccaaaa gaaatcaaat ttatgaagac 420
 tagcaaaggc ttttttattt tctgttttag ctagctctct gacgaggtat attgatttac 480
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 gaagacagat tgaactacca aaactaacaa cccaacaaa tctgggctaga gccaacctaa 600

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<210> 3321
<211> 121
<212> DNA
<213> Glycine max

<400> 3321

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agattgctaa caagatccaa tcatgtaggc cattaaattt ctcatatgct tgacatatat 120
a 121

<210> 3322
<211> 167
<212> DNA
<213> Glycine max

<400> 3322

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taatggataa ttaaattatc taagccatcc cccacaaaa atgcttaaag ctctttaacc 120
attctatttc cctactagg gatattcaac ttggtcactg caccccc 167

<210> 3323
<211> 785
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3323

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<210> 3324
<211> 1017
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3324

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aattgcaagt aatgatcatg tccatgatac ggcattatga tccactata ggtagacatg 660
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ggaagatgga ttatctaag agttgtctag ggtcgagtac gttctataag tatagtcaaa 960

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<210> 3325
<211> 489
<212> DNA
<213> Glycine max

<400> 3325

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gcttacgaaa gtttagacta atttaaccta agttttttcc tcagatccct cttgttggac 180
tagacttaga ccaaacaaca ttgttgtaac atcatattta aaaccaaAAC ttaatccgca 240
aatccctcat ttaagactaa gtttcaatcc tgcttctatc aagttctaag gcaacaatac 300
atttcccaat gctaaagtca cctaacagta cacacaagtg ggtgatcaga ccaagagcat 360
gcaatcttta agcattgaaa ggagcattga acacaataaa cacaaccaat tagatattaa 420
agtgattaca tcagctgttc tttagaaatc cccaacaagg gtgttttagcc aggcattaca 480
gaaaaaccc 489

<210> 3326
<211> 886
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3326

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ggggagcggg ttatataaaa agaatcctcc cgcacgataa gcagaatgtg ttataaaagc 180
aagagaatag caaacgggt agagggcaac ggaatggcaa ttccacctca caaattatgc 240
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agaaggtgtg gaggatagac aagagaggaa aaccaccagt gccaatggcc actacacacc 360
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 ctgaccacaa agagcgacag gggcccttat ccaaaaaaga cctgagggag gactaagtta 660
 gcatgttctg agaaacagat acacagggca aaccactag atactatcct atcacgcaca 720
 cacgaaaccg accaagaact ggcgaagaga gcaaacacgt caccgaaagc agcaacggac 780
 ccacagcgaa tcagacacgc gtcacacaga aataaagaaa tctgcatttt cacatgcccg 840
 agcaatgtaa cgtattggta aatacaaaaa gcgacgttcc gacgct 886

<210> 3327
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3327

tggttcgagg tacttacctg ttgaagatcg aagaacgatg attaacgaat gaagaacgtc 60
 gaagaacggt cgaaaccttc gcgaaattct tcacggaaaa tgttacggaa acgtttccga 120
 agcgccctcg cttaaatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
 agaagtgcct aaggggctga acccttttct tcttcacttc ctcccctatt tatagcaaaa 240
 taggggaggt gggtgncgcc cagctcgccc attcga 276

<210> 3328
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 3328

tgaaattgaa caacagaagc tcttgagaaa ctcaaattgtt catatacttg tcacacggaa 60
 gtccgatgca ggcgcataat atattgagat gtcgaaatt gaacaacgaa tgctctcccg 120
 aaattcaaat ggccataact tgtcacacag aagtccgatt caagtgcata atatatcgag 180
 aactcgaaa ttggacaacc aaagctcttg ataaattcaa atggtcataa cttttcaaac 240
 ggaagtctga ttcagccaca taatatatcg agaagcttga aattgaacaa cggaagctct 300
 cgggaaacaa aaatgggtcat aacttatcac acggacgttc gatttaggcg cataaaatat 360
 ggagacgctt gaaattgaac agcgaatgct ct 392

<210> 3329
 <211> 176
 <212> DNA
 <213> Glycine max

<400> 3329

agcttaagag cctacttttg tggcaaaaca atatagttgg aacaatccca taagagcttg 60
 gaagctgcat agagatcaaa gtcctagact tatcagaaaa ctttctcaca agtagcatac 120
 caaggagctt tggcaacatt tcaaatatcc aggagcttca actaagtgtc aataag 176

<210> 3330
 <211> 478
 <212> DNA
 <213> Glycine max

<400> 3330

tcctcaatth ttatggattg atgctcttaa gatggttgcg tatatattaa actgagttcc 60
 aaccaaggca atctcaaaga caccttttga gttattcaag ggttggaac caagttgtga 120
 cctatacgcg tttggggatg cccgtctaaa gtaagaattt atatccacaa gagaagaaac 180
 tagaccttag gactattact gggatatttca ttggatatgc taaaaggctt aaaggggtata 240
 ggthtttattg tccatcccac aacactagga ttgtggaatc agggaatgca aagtttcttg 300
 aaaatgattt gatcagtggg agtaatcaat ttcagaacat ttcttctaaa agggatcact 360
 atgaagctga accttctggg acaagtaata ggthggtagt cattcccacc cttcaaggta 420
 aaatgggtgt tagacaacta gtgattgaag ttccacacgc tgctgaaagt gatcatgt 478

<210> 3331
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3331

catgcaagct tcccactgca gcagttaagt gaacaaatga tgtgtccaca gtcagtggat 60
 gattgcttgg tagaagtaca tgctaataac taataagatt tcttgtgtag ggtatcattg 120
 tttttgcac aatgatggct accttggggc tggagatttt gattgaattt gc 172

<210> 3332

<211> 617
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3332

aaggatttga gtttgagagc tacatattgt attttttgtt atagnaccaa acgatacctaa 60
 tggctcatga tttagctaaa acatctaaat aaacccgagt atgtctttat aaataaatta 120
 aaaagttatt gaataaaaatt actctatcat aatctcctct cacacatttt ctaacataaa 180
 ctacatcagt atatttaaag gtaattatta attataaatt actaacgcac tttgacaaaa 240
 aaaaaaaga agaaagaatt taatgtacac taacaaattc tactggcttt ttgttaacgc 300
 atatttactg tttctatggg tggaaaacat aagatatagg aacacatttt cattacaaac 360
 ttctcattaa cagttcaaca cccatttttt tttatatctc tttttttatt atattataat 420
 acctatcata tttacatttg tctctcttgt atctttttat ctctctagat atccaacggt 480
 cattaaactt tttttataaa gcaaaatgta cccttaataa aaataattat attgagactt 540
 tttctatatt cttaagaata attaaaatgg gtttaggtta tgataaatct cttagatgga 600
 tataataatc tgctaaa 617

<210> 3333
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 3333

tagaaactaa gcttgtgcta aaaaaaactg atgttgaatt tcaaacatcg gtttgcgcgc 60
 ggatccgcta agcaagccta ttgagaaaca agcgctctct ggcttgctta gcgagaggtc 120
 cactagcaag agtgtcgaaa actgcttaag tgagtgtaat ggcagcacac tcacaattcc 180
 agatttgaaa cttcgcttgt gattctctct cccaaaattt acacatgttg catattgctt 240
 tctttttaca ttataacttc atgcaataac cattcagcat ccaggtaagt tccttggttc 300
 cttttc 306

<210> 3334
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3334

agctttaaaa actaattact tcttgtagac acgtacaaga agtaactagc ttttggttta 60
tttttcgtat ctctaccatc aaaggaatct tcaagctatg aaaaaatcta aaagacaata 120
accaattatt ttatgcattt tgaaaatggc agagcactat gataacagtg ga 172

<210> 3335

<211> 538

<212> DNA

<213> Glycine max

<400> 3335

ttgacttgag tcatcaagag attataaata tgtgaccatg gtatgagttt caataatcat 60
caatcatctt tgaatcatct atctttctat cttttttcaa catcatctct aaaacatctt 120
tcaatcaatc tttctacaca attttctaata tcatttctct ttatctttct aaaagttttt 180
tatcaacact ttctctttca agaaaagtgc tttgttcaaa aacttggttt attcagcttt 240
ttcattctct tctcccggtg ccaaaagaac gaaggactaa cgcctaaat tcttttgtgt 300
ctctcttctc cttacaaaa gattcaaagg actaacgcc tgagaattct tttgattctt 360
cccttccct taagcaaaag atttcaaagg actaactgcc tgagatatct tttgtttccc 420
cttacaaga ttcaaaggac taaccgcttg agaattcttt gtcccaacac atcggaggggt 480
acatcctttg tggtagaagt aaagggtacc tctacttggc gattgttata ctgagaac 538

<210> 3336

<211> 661

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3336

tgtccatag atccatcttg taaggctagg cttaagttta acagcattat catcacagca 60
tattcagaaa accaaaaccc caacaatcca tccttggtta tatggttatt cagtctgtct 120
tctgtcatat cttaatttcg tgcgggaact attgcttgat ggcattgcaac cttttgattg 180
gccgcttcaa ggtacttggc acccggtgtt gcacaatatg tgaagtcccg agacatgcca 240
gaaatcaaaa ggaagcgttg ttacgcagtc cgtgaaattc tgtaacgtga cggaatcaa 300

aaggaagtat tgttacgcaa tccgtgagtt tccgtaactc ttcgaaagct aaaaaaggag 360
 taattatgtg atccctaagg tttcgtagcc ttacgaaaag aaaacaagta tcgttacgaa 420
 atttgtaaag tttcgtaacg ttacgaaaaa agaatcacca aaaaaagcaa aggggtgtat 480
 ttagtaaaaa agggggtgca aacagtaacc aggccactt gtgccttcca gattctttct 540
 ccagaaagcg attgcttctg gaggaagcaa cctgactccg ctgggcgagc tcggtggcaa 600
 gcttctcccc taatttgcta ttaataaggg gaggagttaa gacngaaagg gtcagccttc 660
 t 661

<210> 3337
 <211> 799
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3337

ggtgcacgcg cgcgccaagg ccgganagta nnaccctcg tgtggcgggc gcgcggcgcg 60
 gttttcgtct tntnccgncg ccgcancncg cgcgccgggc gggcggcggc gtggcgcgcg 120
 ggggtgggccc cccgcggcg cgcggggcgga aaaatcgcg cccggccgcg ccggcgccgc 180
 ctcccccgcg cgcgccgggc cgcggcgggc gggctactcc gnnngcgcg ggngcggncg 240
 gggggggggcg cgcngggggg gggggggggg ggggcggggc ggcnccccgg ggggggnncg 300
 gggggggggg gccgncncg gggggggggg ggggggggnn ggggcngcg gggggggggc 360
 nncggggcg gggggccggg gggggcgggg gcggggccc gggggggggg gngcgggngn 420
 gggggggncg gggggggggg gggggggggg gggncgggn nccggcgggg gggggggggg 480
 gggcgnnnc gggcgggggg gggggccggc ggggncngc gggcgggggg ggccgcgggc 540
 ggnnncgggg gggggggcg ggggcggcg ggcgcgggg gggggggcg ggggngggg 600
 gggggggggg cnggggcggg cgcgnncggg ggcgcgggg ggccggcggg ggcgncgggg 660
 gcgggncg cggggggcg gggggcggn ggggggggg gggcgggcg cgcggggnct 720
 ggggcggcg ggggncg cggggcggg ggcgncg cgggcgggg ggcgncgggg 780
 gggggggggc ggggcgggt 799

<210> 3338
 <211> 911

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3338

caccaggaca ccggcgggacg cagaagnact ctacaagacc gtagnagtgc caaacaact 60
 gaggaaccag cgaccatcca actacacnnn ccacacnnn nnagcgggtt gatgcctgca 120
 tgaccaacc nttnaataaa anaccccgcc cgcgaaaaan agaccactga aacgacagcg 180
 gacttttcat ttgcctgagc gccaaacacc ggcgggcggg ggcgggaccac aaagagaaac 240
 cacaccggtg cgaacccaaa atacatacca gccacaaga aggaaccacc gccacacgc 300
 caaggaacac accccaacaa aaacaagcgc ccaccagaa caaccacagg aaacaacgcc 360
 ggagaagacc accaccatac aagacttcag gtgcaatacc cgacacgga cactccaagt 420
 gacgaacccc accaaagcaa ggtgacacac agaaaagccg gacaccgaga gaaccacacc 480
 gcgaaacccc ttaacaaaag caccacaac ggaaatcagc cgcacaagaa aactcaaag 540
 ggccgagaaa ctcacaaac ccccgagaaa aaggggaccc aagacacca cacatacaga 600
 gcccaacac cgccaagcga acgagaccaa ccaacgaacc gcacgacaaa accaaaaccc 660
 actcaacaga caaccgacaa caccaaacca atgcaccaa ccaacgagcc tcaccgactc 720
 cgagcgcata acagaccaca caaccgacgc cgaaccaaca atacatgaac aaaaaaaca 780
 ccagccccac cagtcaaaaa ggcaacaacc ggacccacc aggaacaaa aacacacaca 840
 aatgccacaa gcagcactac aaccgggcga ccgaatagat gctacggcca cgtagataaa 900
 aacgccacac g 911

<210> 3339
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 3339
 agcttcctta gcaacatgct ttctcttatg tcttcagacc aattttctct aaagtatcac 60
 aaagttatga aatgttacac aattagcaaa atacaaattt tacaatttca tatcaaataa 120
 aacaaaatca gcattactat ccatttcaac cattgaacta aattcatt 168

<210> 3340

<211> 910
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3340

cgcatgatgc atgcatgaca annncatag taaagaaaac ccacgctcgc tgcacaaaaa 60
 aggggaagccg agaaggcaaa tttttttttt atcgcgcgga gccgctaaac aggggggggtt 120
 tgaaaaaaa aaaagccctc ttaacgcatg gttatcagta atggatctct gtattacgat 180
 gtgtagaata actgtctaag cggatgttta aatggaaaac ttcacttcac aatgtaacca 240
 caattaagga aaaattctag ctactggatt tggatatcgc ttcatgaaat gcaacaccat 300
 ttgcgtaata ggggactatt tttttttacat tattcaactt ccattgcgat aaaccctct 360
 acatcccgtt tcaggaccct ggggtagttt acctctattt catgcgggaa gactttctgt 420
 tggcacaaaa cacattgtgc tgccatgggt atcaaaccac acgaaagact catcgagacc 480
 tattcctact gcttagctga ccaacaccat attccattca tctcattaca agaattctac 540
 gcaatccagg ttagatccca taagatttaa ctacttataa gctacattac aaaatcaatc 600
 gcccacgcc tcacacgacg tcaccgcatg caatgatcga atgagctgct aactcgcta 660
 actcgtagt acatactaata attacaacaa gtgattactg acatgatatc aagttatcac 720
 ctgatttgct tctccacctc centccgaac acggcattca ctctctcta tcttacctca 780
 tatccttacc accacataat acatattctc gcaacatana cgatcattac aacacggaaa 840
 gaaatattgt aggagtaaca catcgacctg actgactact tactactcac tcaccgctca 900
 actttcaccc 910

<210> 3341
 <211> 163
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3341

agcttgaaac ttgcagaaac aactanata aataggggtg aatagtgtgt gtatcaaaaa 60
 taaaaccttt tcgtaataac atggatagta tggataatat agagataagc actggtgatc 120
 catgagagta gatagattgt gtaataaaga aaagagtgat cat 163

<210> 3342
 <211> 819
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3342

ngagcagagt gtttgattca cnnncnatag tanaaanach acgcgggncn ccanaaancc 60
 ttcttgcccg ccaggcccta ttatTTTTTT tatcagaaca agaaggagag ggatttaaatt 120
 actaaaaacc cctccctggc aatatggata tttatnctgg tttttggcct ccttaatttc 180
 ttgcggcaaa tattgattga tgtgatgtaa tcttttgaat ggatgctata tagtaatagg 240
 caaccgttgt tgaacaattt gtgtagtact cgagaaatgc ctgaaattaa aacgaatctg 300
 tgttatgcaa tacaagaaaa tttgtttcgt ggctgatatt ataacgaagt tatggataac 360
 atatccgtaa aattcgaaac tttttgaaag gttaaaaaag aataaatatt ttatcctatg 420
 ggttggtaac ctttcaaaaa gaatcaagat ctgaactata atttaatat agaactttac 480
 taataataat attattatag taaatgggtg tatttattaa aaaaggggtg gaaatggatt 540
 aaggtcaatt ttggcttata aaatTTTctt ccaaagaga ttgtttttgg tgaaataaca 600
 ttgaatcttt gggttaactta gggggaaata tcttcctttt ttttgataac aagtgggtgg 660
 gtgtggaaat agaaggata actttcttat gacactctat acatatgtaa acttattaac 720
 aataaacgtt cttcgaaaaa aataagtaac aagtagtatt tcataatgat ttctattgtg 780
 ttgagactaa atataattta taactacatc agtactctt 819

<210> 3343
 <211> 589
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3343

gaatacccaa gcttgactt ttgaacactt gcttatctta tccagagctt tcagtttcta 60
 aactaagtgc ttttaaacta ttgcataac tttgttgat tttgttactt atgggtgtgtg 120
 tcaggatttt gtgtccatt ccttgtttag ttatgatgca ttttttgatg atactcaagt 180
 catgtgtaac ttttgaacat ctacctagcc cttgactgga gatatcttcc aagcatgctt 240

ttgatcatatc aaaacttttc atttctattg cactttgata tgggaaaagc aagattttcc 300
 tttcatgatt ctagctagta aactctattc tagtagtcct acttctattg tggctgatcc 360
 tatgtctgga aggttgacat acttcaagtt gattcttcgt acctttcttg atgcttattg 420
 atcaagtcct atatcataaa cacatcatta aaagagacca ttagcaacca aagcttgata 480
 acttaaaaat taactcttat aaagtaatta ttaataaagc tcaagcatta naaggagtta 540
 ttcttcaaag atttcaatat catcatatta gttcttgtat ttttttttc 589

<210> 3344
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3344

ttataaatcc ttgctcactt gatacactcc atggatgaac agtttggact tttgccgaat 60
 aaagagtggg ggaatttgca ggaggatttt gctttagat cattgtatca agaacggtgt 120
 caaaattctg aggagaatct agggagacaa agaacatagg aattgcaacc ttctgatgga 180
 tttctaggtc gccacaagg ttaacaagct caacaaaatc actgataagg cgctgaggaa 240
 catagaacac ctgagaactg catattagga gggtttttatc gttgtcgctt ggttctttgt 300
 aactgacttg aaagtgcgct ggcacgtgc taacaacctt ctgtaccatt cttgcttgtt 360
 gtgataacca atctgagtc tcaccatttg ttaatataga agaccaagac tcggatacct 420
 gaattcccag taatgtgtaa attgtcagag aaaagagcta tacgaccttc taagagctat 480
 atgacctttt aagagttaaa gctatgctgt anaatatttt cagtgcatt gtctgaatg 540
 attgaatatg atct 554

<210> 3345
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 3345

tgtaactctt ggcaatttgt ttaaaactag tcacttattt atgttatgac ttttgaaata 60
 atcttcagaa aaaagtcact tgaagaatta tgacttttgg aaatgtattt ttcgaaatca 120
 gtcactggta atcgattacc attaaggtgt agccgattac acatcaacag atgtgactct 180

tcattttgaa ttttgaaaat cttaacgttt taaaatactg gtaattgatt acatgattat 240
 ggtaattgat tacaactttg taaatcagtt tgaaaaacaa tgctggctac tggtaatcga 300
 ttactacctt tggtaaaaga ttttgtgaaa acttcatgtg ctactcaatg ttttgaaaaa 360
 ctttttagta cttatcttga ttgagtcctt tcttgattct tgaatcttga gtcttgaatc 420
 ttgatcttga ttcttgaatc ttgagtcctt aatcttgatc ttgattcttg aatcttgaaa 480
 cttgaaactt gattcttgaa tcttgaatct tgaaacttga aacttgattc ttgaatcttt 540
 gcttgaaact ttgcttaact cttgattctt tgaatcatca aaataacctt ggaag 595

<210> 3346
 <211> 531
 <212> DNA
 <213> Glycine max

<400> 3346

ttataagcgc aggtctggaa gacaaaggtc aagtggctgc attatgcgaa gatgatgttc 60
 cgagtacatt ggatttggtg cgaccatgcc ctcttgattt ctagctggga aattggccag 120
 tggaggaacg cctcggcatt tatgcaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tttagagttt ttccttttgt taaggctttg tgtcttttgt 240
 ttttgaattt ataatacaag gatctttctt catctgttcc tacgtctcta cccattctca 300
 ttcatttgca tgtttacttc tttttctgaa acggcagatc cgatgacgag tccccgaag 360
 gtactaatac ctgggacctg cctatcgact tcgagcaaga aatgagtcac acggaagatg 420
 aaagaaatga ggatgtggga cttccccag attagaaaga atggtcggcc atgacgacca 480
 agaaatggga cctcatcaag aagaaacaga gcttgtagac ttaggaattg g 531

<210> 3347
 <211> 179
 <212> DNA
 <213> Glycine max

<400> 3347

gcatgcaagc tttggaggca ttacctttat ggaactaaat ttaagggggt taatgaccat 60
 aagagcctta gatatatgtt tgatcaaaga gagcttaaca tgaggcagag gagatggtta 120
 gaggtcctta aggattacga attttagctt aactatcacc caggtaaagc caatgtagt 179

<210> 3348
 <211> 609
 <212> DNA
 <213> Glycine max

<400> 3348

tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggtgtgtatt aagcaaattgc 60
 tcacctcccc tctaaaattt aattggattg ggcttctacc aattcaatta aatttatttc 120
 ccaccataca catcaaatat tcaacttagtg cgtgtgaaat tacaaaacta cccctaatac 180
 aaaaactagt cttggtgccc taaaatacaa ggactgaaaa atcccatatt tctagggtac 240
 cctacctaca ttatggagcc ctaaatacaa ggaccaaatt taatgaaacc ttaatctaatt 300
 atgtacaaag ataagtgggc tcatacttag cccttgggcc cgaaatctat cctaagggtc 360
 atgagaaccc tagggccttc tcttgcattt ttggcccaat cttcttggaa tcttctatcc 420
 aatgcccttg cggggtagga ttgcatcact aatgtaccca accctagggt attttatgaa 480
 taagagccta agagaaacct accttttagcc caaactagaa aaactattat tgcattgcctt 540
 ccgaaattca tgcataagct aacatggtaa acacacgaaa aaatcgagtc aacgagagac 600
 acaactttg 609

<210> 3349
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 3349

catgcaagct tgctcatgcg tttggagctg aattcctgta tagaggcgcc ccacggattc 60
 gaatgcgacc ttggagacgg cgtcggagcg gtcgagcatg ttggagccga cgcgggccca 120
 ccaggcaaag acgcggtcga ggaggttgac gttgttttcg cagagggtaa cgagatcg 178

<210> 3350
 <211> 641
 <212> DNA
 <213> Glycine max

<400> 3350

aaaatttgaa ttaaaacgtt cagaaactgc tggtaatcga ttactatata tgtgtaatcg 60

<211> 1106
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3353

gggctgacac gacgtngttg attgcatgca tcgncacacc ncntnaggta tcaaacttca 60
 gcaccctact acacagaaat ctaggtaata cgagaccctc tttttttttt attacaaggt 120
 tgagacggcg ggggtggttt gtgttgataa attaccaac cttcactcat atgcttgga 180
 aatagactat tggatggatc tcacggcgtc ctttaagcgg gggggcactc ctgcaacatc 240
 ttaccgggag tcaaataatg cgacttatac gcatgggtgc cgaagggtct tacatccata 300
 tctaaacaac ttctcgtgt aaagatgacc tttcgacgct ccattattgt ctgttacgta 360
 atattattca accactaacg ggaagccttc tcttgcgata tagtctacct gacgggcatc 420
 tatgcgcatc tactgcaata cacatcctgc tattgggtctc acctacttcg ttctcataga 480
 gaacacgcag agaagctcgg ggtgattgaa gtcccgtctc agaaagaggt tcacaacata 540
 cttgttgcgg ccgtcgggtc actatccgta tcttctcgta tctcactaga aatcgacgta 600
 cagactcggc gatatatcgt caccgcacta gcgtacgtat gtatgggact cttccaccgc 660
 acgtaccttg ctagacataa tgggtgcgcg acctaggaag aacgtctgta aactggggac 720
 tgctccgtga acgtaatata aaactattag acctgggttg cacatctatg atactcttcg 780
 catgctggta actattggat acattgtcaa gtatactgtc atctgtctgt ctacatcgaa 840
 gcctcatctc tctcatggga gtcgcaaaga tgctctcgcg taatcgtatc ttaccgcgcg 900
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 tatgganaac acgtcctgtc ttcttctga attctctntg attgttctcg ctgtgggtatc 1020
 tacgtcaacg tcgaaatcgc gtatatactc caaacgttcc tctgctatat cacactagta 1080
 atcgtatgt cttcctgttc tcttcg 1106

<210> 3354
 <211> 171
 <212> DNA
 <213> Glycine max
 <400> 3354

agcttcaggc tgctcaattg ctccagggtg tttcatggaa gggcaaaagt ctgtatggtg 60

<210> 3357
 <211> 607
 <212> DNA
 <213> Glycine max

<400> 3357

taaagtaaaa attgagagaa accattttta ctttaaataa atatgtgata tgtgaggttt 60
 tatagacatc aagtatgatc ttttttagtt taaaaaacta ataacaaata ttgatagggc 120
 taaagctatt ttatttttgg accgatcatg cactcactcg taaccagtaa ggttttcttc 180
 accaaatctt gtaaagagga ccatgaagtc catgacctca aaggtcttga gggaaattat 240
 attggagttt tgaggatacc taagttgttg taaaataaac gtaacttaca aaattacggg 300
 agatgactgc gcacactttt ttttattgaa tgataatcta tttaaataca aatttattgt 360
 acagaaagaa acaatgatta cttattttct aaataataac caatcactaa cataaccgct 420
 agtaggtaat agaaaataaa acaaataatc ctaaagacct tgtccaacga tttatagaaa 480
 ataacaaact aacagacaac tgctgataca cgttcaacac tctcctagt agctcaagat 540
 ttactgtagt tgaatctatg gctatcttaa tgctctcttt ttcaacacac aatgactttg 600
 ctttaat 607

<210> 3358
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 3358

tgagcaaatt caaacgacaa taacttttga ctggaatgtc ctattgtgtt ccgtaggata 60
 tcgagacact agtaattgaa aacggaagct ctgagaaaaa tcaaatgaca ataacattta 120
 actcggatgt ccgattgagc cctgtaatat atcgagacgc tcgaaattta aaacggaagc 180
 tctaagaaaa gtcaaacgac aataactttt aactcggatg tccgattgag tcccgtgaaga 240
 tatcgagacg ctcgtaattg aaaacggaag ctctgagaaa aatcaaacga caataacttt 300
 taactcgaat gtccgattga gccttgtaat atatctagac gctcgttaatt taaaacggaa 360
 gc 362

<210> 3359

<211> 777
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3359

aaagcgcgtg gggaccccc caagatttta caaaatgaag cagtgttttt ttttttggt 60
 aaaggggcgt cagggggggg attaaggggg ggtttgatat taaaaccttc ccgattgtat 120
 tcaaattaga gatccgggtt ttagttttac ccaagaacct atgagttctt ttaaggacga 180
 actcgttgtc tgcnnngggg gggggggngg tnggggnntt ntnggggtgg ggttgggggg 240
 gtgggtggn nggtgggggg tgggtggggg ggggtgggg ggggggnntg ggggtggggg 300
 gaggggnagg gggagtnttt tnttgggggt gtgggggtg nntaggtggt ggggggggtg 360
 ggggggggtg ggggggggtga ggggttttgg gggntggggg gaagggtggg ggggggggatg 420
 ggggaagagg gggggggggg ggggngaagg gggggggggg tgggnntggg ggggtggggg 480
 gggggggggg gtgnnnnntt ggggtggggg ggggtnnngn gggggggggg gggggaaatg 540
 gggggggggg ggtgtgggtg gggggtaatg gggagagggg ggagtggggg gtggtggggg 600
 gaagaggggg agtgggggtg ggggggggtg gggggggggg gggnttgggg gtgggggggg 660
 ggggtgnttn tgggtggtg tggggggggg anantgagat tggggggggg gaggtggttg 720
 tgtggggaag aggggggggg gtgggnnnct gccggggggg tgggtggggg ggnagtg 777

<210> 3360
 <211> 643
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3360

gctctaaatt tacattgatg tttgtattga tgggaggagg ttacatgcca tttttgcttt 60
 aagagtaacg tcccactggt aaaactaact ttccaaatgt ttgccttcgc aggaatggcc 120
 ccgaggaagc ttgcctcaaa gaggtccagg aaggacaagg cggctgaagg aactagttcc 180
 gccccggagt acgacagtca ccgctttagg agcgttttac accagcagcg cttcgaagcc 240
 atcaagggat ggtcgtttct ccgggagcga cgcgctccagc tcagggacga cgagtatact 300
 gattttcagg aggaaatagg gcgccggcgg tgggcaccac tggttactcc tatggccaag 360

ttt gatccag aaatagtcct tgaattttat gccaatgctt ggccaacaga ggagggcgtg 420
 cgtgacatga gatcctgngt taggggtcag tggatcccg tcatgccga cgctatcagc 480
 cagctcctgg gatatccgat ggtgttgga gagggccagg aatgcgagta tggccagagg 540
 aggaaccggt ctgatggatt cgatgaggag gccatcgccc agctgctatg tatanccggg 600
 caggattttc ccggactgct gcatggaggc gagtgcgaat cat 643

<210> 3361
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 3361

atgcaagctt cagttttcaa ctacgagcgt ctcatatat tacgggactc tatcagatat 60
 ccgaattgaa aggttttggc atttgacttt tcatagagct tctgttttca atttcgagcg 120
 tctcatata ttaaagggt caatcagaca ttcgaattaa aagttattgt cgtttgat 178

<210> 3362
 <211> 524
 <212> DNA
 <213> Glycine max

<400> 3362

cttctactta tgtggcagg cggttcttct tcaacttctt gtcttcaacg cgaactttga 60
 ccattgttct tcttcccgc gatgcttctt tcatgtccg cctgagtggg cttatagcct 120
 aaaccatact tcccacgatt tcttgggta tttatcaggc tagttatgcc gccgttgttt 180
 tttctaaac ccattcccggg ttcataaccg tttcccaaca taactcgggc catcattacc 240
 gctgcatcgg acagacaagg ctgccc aaag agggagtcca cggaggaaat gctgaccacc 300
 tcaaaagact ggaaagcagt ttctaacgat tcttctgcgg cttccacata aggcattggag 360
 gatgggcagc ttaccaagat atcttctctg cctgacacga tgaccaagtg cccctccact 420
 acgaatttca gcttttggtg gagtgtagaa ggcacaactc ccactgagtg gatccacggg 480
 cgcccccaaca ggcagctgta ggggggggta atatccatta ttg 524

<210> 3363
 <211> 174
 <212> DNA

<213> Glycine max

<400> 3363

gcttcagaac tttactactg ctatTTTTTT tttcgatcgc taaacaaata tatttattaa 60
taaaagggca cgagaaattc atacaccata atttcagtgg gcgcacgcac accataaaca 120
taaaatgatg agtgtacgtt ttaattatca agcaaattat aatataatag taag 174

<210> 3364

<211> 610

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3364

ctttaaagct ctcttctatt aagctctcgc agccaaccaa agcttcaatt gtgacccaac 60
atggcacaac ttaacctcac attgctagcc attttctctt ctctctctt ttcaattctg 120
gccaccccg gctagttgaac cgtcaaggca caagaattct caaacaatga cctggttgaa 180
ttttaaggga tccttataaa atattaataa ccactatgaa cacattacat tatattatca 240
agaagagttt taggaatatc tgaatacata atgattgggc aaacaaacgc aacgaaattt 300
gaattttagt gtgatttctg atctatgtgt tttttttaag atctgttacg aaatattgta 360
gagataatga ataaccgact aacagcgtaa tcgggggactt catgattctt cctcaaccaa 420
atTTTTTTta tttctcttta gatgaggaaa agagaaacta tgtgtgtgac gaactcgtat 480
attggggacc ataacattct catagcgtgt taacataggt ttctcattat cccctaattg 540
ncaacactga catngttca gttaaacta tattatctaa tttatttggc taacaaactt 600
actttaattg 610

<210> 3365

<211> 179

<212> DNA

<213> Glycine max

<400> 3365

catgcaagct tctaaacttt atacaagaat gaagctctga taccacttgt tggacaagtg 60
gcctcagata tcttaagaag ggggggttga attaagatat aacagactat tccccaatta 120
aaaattctac ttttaattta acccaacaac ctatgattcc ttttaaacaa gaactccaa 179

<210> 3366
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 3366

gcttagtgaa gtgggtgtga ggtttatttc cagcattcat ttcttgtatg cacactttca 60
 acataatctg agtatttttta taacaccatt ctgctttctt tctttttaca agaacttgac 120
 cgagagacat ttgacaagct taacgaaaca aacgacagcg ttccaaggag gaagaaaatg 180
 tgaccaagga agaagaaaaa gaatgacgaa gaaaaaaacc tgtgatgcta acaaaggaag 240
 aacaaaaaat gacgaatgat gatcggaaga gatgaccaag gatgatcgga agagatgacc 300
 aaggagatcg gaagcatggg agaaaaattt cgaggaaggc acagcaacgg tcgtttctcac 360
 gaacgagaga caaatttagg gttcagaaaa atgacgaggg tttgcttgca ttttga 416

<210> 3367
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 3367

gcttggttgg ctttaccaga tttatattat aaaaattaat tttatagggt tattgaaaat 60
 taatcatatt ttatttttta atttattttt tataactctt ttattagctt ctactatata 120
 tagagagaga gtaaattata ctagaatgag agttgaataa tatgttact 169

<210> 3368
 <211> 580
 <212> DNA
 <213> Glycine max

<400> 3368

taatgacctt gttcatgttc gttacaactt gaggttacaa cttatgtatt actatattga 60
 ttatgctttg attgtttact tattttgctt ggattttttt ttattgatga tatataacca 120
 ttttgatcaa tttttctttg aaaacccttg atgaccattc taattgggtg gtggaggagt 180
 ctccaccatt cttaacttgt gaagaggtgg aggttttacg taatgatctt gctaacatgc 240
 ccatccaatc aacttttagac gatattaata tgtgtcttta taacattagt atttataagg 300

taccacttat gtacttatat taattgctaa tttgcâtcta caatgatgtt gccacagata 360
aattaaatct ggatgaagat gacgatgatg atgtgccaca accactacat cacactatgg 420
aagatgttaa tccaaatgaa agcaatattg gtgaagagcc tccttctttt gatggagaaa 480
gattacttga agttgactca atattggctc cttggatata attatggatg gtgtcatatt 540
taagctatctt gtgtctcttt atttatggac ttatgttatt 580

<210> 3369
<211> 179
<212> DNA
<213> Glycine max

<400> 3369

agcttatttg aaaagctttc ttgaagaagc ctagatctta tctacacaca cccctttaat 60
aactaagggc acctccttga gaagcttcct tgagaagatt cctagagaag ctagagctta 120
gctacacaca cctctctaata agctaggctc acctccttga gatgagaagc tagagctta 179

<210> 3370
<211> 599
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3370

taagctcttt ctttaagcttt ttctacaacc ttttctcccc ctttggtctt atttaaaagc 60
caaatatgac aatggagtaa aaaatatata taaatatcaa agtataaaac acaagaagcc 120
aaactcacia agaagaaata atcaaaccag aatccaaata actgaaaatg tcaacaacca 180
caaaacatcc aagactgaaa tttaaaacca caagataaat aagcaaagta cttagcataa 240
taatgtaaat tctaagaaac taaaagccaa aatacacggc ttataaaaga taaataatca 300
gaaactaaaa tctaagaaga cggaggtggt ggtggaagat cgaaactctg acgaatgtat 360
ccgacatcct cttcaatctg tgtaagacga atgtccatac tggcaaagcg tgaatctaac 420
gagtcgaaac ggtcaccaac ataagaacga agaccccgta attcggagag gacttcattc 480
atgagtgcgg aatcttcacg ttgaggggga ggtgaatgag tacgtccatc ttgaggaggg 540
agtgcattct tcttcagcca ttgtccattc cgatctttac tatagccaaa ggaggccac 599

<210> 3371
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3371

agcttatact ctgcttcccc ttttctttaa catttgcttc ttgcactttc tggaaactct 60
 tcgaattttt tgaagcttca aatgcttttag cagtcgactt gtcaaacacg acgttacaac 120
 aaagacaaag cataacctct ttctcaactt tttgtttctt caatagaaat tc 172

<210> 3372
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3372

attagtgtac catacaactg cagctccagc caagctatct tgtaaaaaag tgtatgaaca 60
 actttgcatc cctagagtgt gcccccatct tgcgacaata catcttgaga tggttcttag 120
 gacaagtcgt ccctttatac ttgtcaaaat caagcacttt gaattttggg gggatgacaa 180
 catccggtac caagcaaaga tctgtcatgt ccacgaatgg atagtcacca aatccttcaa 240
 cagctctcaa tctctcctcg aggagatcga gtttccttct ttcttcggcc gcggggggtg 300
 gtccttctat ggacaagaat attggttggtg ctgtgagggt gggctgaggc aacgtgttg 360
 gcaccggccc ctcgacgagg atcgaggagg agaaatcgac atccncttg gcatactctc 420
 gatgatcttc atggaccgcg tttaggggag gatggtgcgc ggtagctagg atagatgggt 480
 ctgcttcggc accccaacta acagcggcag cgggtggcgt gttattctcc atg 533

<210> 3373
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 3373

agcttatcaa cacttttata tataacaatt actggatttg gtttatgttg atgaaggtat 60
 atggtagcat atacttcaga tcacttttct tcaagtgagt ttgaaccca accgtaagaa 120
 aggcagtaag gcacatgttg tgagtctaga ccaactcaca gtatttt 167

<210> 3374
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 3374

tggcaagttt gtattgtaca aatggtecca gagtgccctt tttattatgt actcataaac 60
 cagtatatcc tcgaaccttt tattgcaagg tgctgtgac gaatcttata caaaatcatg 120
 atctctctct gaaattctgg aaggccttga cctgacctgt taagaattat tgattaaatt 180
 tattatttat tatattataa ccaggtaaga actaagatca ttattaatat atatatatat 240
 atatatatat agatatattg atatcttaaa gattggacga accataactc ccatatatga 300
 aatgataaga ggttggtgag ataaatggag attttaagat gtgtattaaa acattgtact 360
 aaaaaagaat aaccgaataa cagagtactc ggggacttta agattatttc tcatgcgaat 420
 tttttttatt tctctttta 439

<210> 3375
 <211> 175
 <212> DNA
 <213> Glycine max

<400> 3375

ggcatgcaag cttcttctca acaggatgat aaaacctata tttctattca ttctcaccat 60
 agccaatgaa gatacaactgc cttgactttg catccaactt ggatctctta tcctttggaa 120
 catgcacaaa agccttgcag tcaaaaactc ttaagtgact atacttcaca ttctt 175

<210> 3376
 <211> 627
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3376

tgcattcgat agtggagctc atccaatgga gttattaatg ctaagaaaat tcaggtttta 60
 aagaaggagc tgaatgcttt ggaggctggt atctctgaca gaattctgaa tcaatttgaa 120
 gtggagctca agaagtctct tcaggagcaa ttgtggcatg ctgctaagtc ctatgaatgt 180

atgctgaagc aaaaggctat agtgaaatgg ttaaaggaag gggacagaaa ttcagcttac 240
 ttccacaagc tgataaatca tagaagaaga cataatgcta ttcaaggatt gatcattgat 300
 ggggaatggg ttcaggaccc tagtagagtc aaaactgagg ccttcaatca tttcaaagat 360
 agattttctg agcagaatth taatagacca accctggatg gtgtgcagct accttccctt 420
 ggtcaaagtg agaatgaagc ccttgtggcc agattttctg atgctgatac agtttggtta 480
 ccaaaagcca tcaagaatga taacaaagca gtaatttaaa ttaaattcat cttagctntt 540
 ctattttatg atcactctcg attgctggaa tggatgaagga aatgggcttc tttatacgag 600
 gaccctatac agctgcaatg tgacatc 627

<210> 3377
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3377

agcttgaaga gtcgagactc gtattggttt aattgattac caatatctca taatcgatta 60
 cactgttatt tgatttattc aggagtctct actttaatcg attaccaagt ggtttaattg 120
 agtacttctc tcttatttag ctgtgcataa gtgaatagga acactttaat c 171

<210> 3378
 <211> 639
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3378

ttgaaatgga ggattggggg aattttctcc accgaatcct tgaggaggat tctaaggatt 60
 ccactccgat taagatgttc ctcttggtgt ggtgggtcgg cgaaaagcaa cggcggctca 120
 tggcggccat tgggtggcgt ggggtggcaga gaagaagggtg ttaagggttg ggtggcggtt 180
 tggagaagag gagagtgaag aatcgtgttt ttcacgctga ggaacatatt tataatctgc 240
 aaatctcgct tagcgaggtc gtctcgctaa gcgggagtc acttttctca ctcaacgtgc 300
 aaattctcac ttagcgcaac ttcctctgca ttatgacttg cccaacaggc caattctcac 360
 tcaacgcaat tccctctcag gttggaattg cgcttagcgc acccttcacg cttagcgaga 420
 catcaaaagt tgttattttc aaaatcccaa tagtcagact gtgcaaaaag tgtctttgga 480

agctccagac aaaatttgaa gatgatccaa cgggtaacga ctctaggatc gcgattttac 540
 taanataggt tttgggtaaa atctgaaatc tcataatttc aacttagtta aacaaaactc 600
 cacataactc agcatccaca tcaagaaatc acacatgac 639

<210> 3379
 <211> 155
 <212> DNA
 <213> Glycine max

<400> 3379

agctttttatg actacaacca caacttgctg tggacttgac cccagctaag acgattgacc 60
 accgtgtgaa tgccgtgcac cctgaacaca gcggtgtctt tgaaatacat tttatgttat 120
 catacatagc tgcattgaggt gagcatcata ccaac 155

<210> 3380
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 3380

tcaagcttgc aacaggactg atctagggtga tctgagtacc cgcctttatg tactataccc 60
 tgaggacact cccgatggta gagatactgt cactgttatc agatacacac ggaaatgcct 120
 ctatgtgaaa atgctgatat atgccattct acgcttgggc atatatcaaa ccctgttttc 180
 agtcgtttga ctaataataa tggaacacaa atctctgcga aatgatcttc gtctaagaga 240
 tctatctgcc cactctctaa gattgggaga tcaaactttg ctaactctaa caatagatat 300
 gatatacctt ttgattgact ccattgcat ctatggggtc tagtgccac cttacatatg 360
 aggggaataa tataactcctt aaaa 384

<210> 3381
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 3381

aaaaatccca aaaacaatcc tttttaattc taactaatc gaattcctta gttcctgaat 60
 gtacaaacct taaactggag cccgttcccc ccatttcttt ctacaaaaaa gaaaattaat 120

accgacaaaa acatggatga aaccctaagg atgccaagtt catgtggatt tctgaagaaa 180
taggatctat attccatcaa acatagaatg accattgatt acatgtaata tacttttttaa 240
aacatgggtg ccccaaata caactaaaaa gcacaactac cacatcttca gaggcctttg 300
gtaaatgggc t 311

<210> 3382
<211> 165
<212> DNA
<213> Glycine max

<400> 3382

agcttcaatt gtagttaccc attaaagtgg attgcttggg tagagcaatt ctttgacctg 60
caacatacaa aaacattggc aaacaagttc ttcaaagaga aaaaatagaa cttggcacaa 120
gaaggtctac caacaaggca actagtaaca acaggggggc ttcaa 165

<210> 3383
<211> 393
<212> DNA
<213> Glycine max

<400> 3383

gctcatggcg gccattgggtg gtcctgggtg gcaaagaaaa aagtgttaaa gcttgggtgg 60
cgctttggag aacaagagag agaaaaatcg tgtttttacc cttgaggaac atatttataa 120
tcttgaaatc tcgcttaccg aggtcgtctt tctaaacggg agtccacttt tctcactcaa 180
cgtgcaaatt ctaacttaac gcaacctttc tctgcattat tacttgcca acaggccaat 240
tcttactcaa cgcaatttcc tttcaagggtg gaaattgcgc ttaacgcacc cttcacgctt 300
agcgagacat caaaagggtg ttattttgaa aatcccaata atcagactgt gcacaaagag 360
tcctttggaa gctccagaca aaatttgaag atg 393

<210> 3384
<211> 179
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3384

gcaagcttnt atagaagggt cgntcctaata ttctctacaa ttgtctcacc tctcaatgag 60
 ctggggaaga agaattgtggc atttacttaa ggtgaaagat aagagcaagc ctttgctttg 120
 ataaaagaaa agcttactaa ggcacatggt ctgactcttc ctgaattttt taaaacttt 179

<210> 3385
 <211> 1081
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3385

cgccgtcata cactattaca ctgcgttaca atagcttatt aatacactct ctaatgtaag 60
 tactaaattt caaaatatat ggctattat ctatacccca ttaagatacc gccaatcaaa 120
 tacgctcact acgacgctaa tttcccttcg gaacatgcaa cagtcttaga aaataataaa 180
 aactcaaata agggaaaaag aggtaagttg gtctgaaatc taaaatatcg acgaaagggg 240
 cacagaggag ggtttcatac tatgaaatct ccgatatgag acgcatggg ttgtccgaag 300
 acacataaag cagaggggggt ctatattatt actatcgata agaaaacaat agtggaatga 360
 tggcccgcta tgagatcgac tagtgcagaa aaccactggg gtactagacc gaaggagccc 420
 ttgcttatga cttcttcgaa aaagggaaat aaagtgcagc catctctaata atgggcatac 480
 ctaagccgaa cttggcgaga atgtgaggac ctttaggcac ctaacatacg gtgctgcggg 540
 agactccgtt gtcaagacat ataacttcag actcgctgac tnaacaacat caacaccaca 600
 tgctgtgaac tataccaacg cacgaagaga tcgacgactc acgtaaccgc acatccacat 660
 tatectgtgt ggagagacac tctcacctct acgagacaaa ctnactgac tagtgtggat 720
 gtaatcgcta gacttgagat acatacgagt acatgactcg aggacatagg gcgaatctct 780
 taacttcga tngtcgtcgt ctggatcgcg caatcgcggt tgatgcgaga ctacttcaga 840
 caatatatat ataccagta agaggcgtct cgcttctcgc cgctcactca tatgatatga 900
 tcagtangat agtgctgcga aagccacttg tgatcttcgc gactgggtact gcagtatata 960
 tcaattgacg ctcaccagtt tcgagaatat agctatatcg ngctctgcaca ctgcgatcac 1020
 tattgcagat catgacgttt tgataaggcg aaacgtctac gcgtatcacg tttcactcca 1080
 t 1081

<210> 3386
 <211> 1126
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3386

ggcggagggtc aagatactgt actataccta taagtgtatt ggtccatgag agaactagac 60
 tgtatcagac tttaacactc tccactacgc gaggganttt atgcatacctt tgctgacctt 120
 acaatatagg ctaacaccct cggacaaact aacaagtcga taccaagcac tgttctaaca 180
 tcgacctata gttacacgcc ggagaatata ctggccgact gtttaccgct ccgagactgt 240
 gatattcctc gtcaataccc caactctaaa tcgcgcattg cagactcatt accccatttc 300
 cgccgagact ggcagtaa at agcggcaaga atggaccaca ttccgatacg cgctctttga 360
 ctaacaagtt tgtctcatgc ctcgaaatag gcgaagtggg ggccatgtaa gcagcttatt 420
 ttgtaccta ttacgcaatc ttgggtgtcg gatttgtaca gcaaagtgtca taagttgggt 480
 gtcaactact gtagattcac aacttaggat cgtgtgtggc cgagactatc gcttaattct 540
 gatgatcctg actacaccgt accgacaacc gcgcataat gacgattgat acttgtgtga 600
 cccggtacag taatatagtt actctctaca acacctttat cagctcataa ctcttaata 660
 tactgagtag tctagatgtc gaccaactct ctatacgtgt acagcgaact cctatataga 720
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 tgacgactca tctgtaacta ctcaattata acacatacgc atgacgttct agccgaccta 900
 ccgctcatta tagcgactat taaggacctg tatcngngtg aaccctaact agtcatatcg 960
 taccaattca tgggtggtgca ctatgctact ctacaacaca catacatcat gaacgaacta 1020
 cagatgtcta tctccacgac agacgtatca acgtttactc tcgagtgtgt agtcaattag 1080
 gtatcatctg tcgacgtcac gtatacatgt agtaattctta agcacg 1126

<210> 3387
 <211> 940
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3387

ccgcggcggt	attacactac	cctctatatt	cctgagttcc	tcatgggtac	atctcctcac	60
ttcgntgccc	aaccaagcct	agtgtggtgt	tgaatcatcc	atatacagac	ccatacataa	120
acatacctta	ctattggcat	acactggctc	agagtgatac	ctgccaaact	gtattgttag	180
aaaatgtaca	aacacctatt	gcgactcgat	aatactctcc	atatcttttg	gcaagagcaa	240
taccaacata	atcttctcta	gtgtagatga	ttcgtcatga	gaatagtcaa	ggggtggcgt	300
actttacacc	tggtacgaga	agaactttat	gaggccggac	cacatttaat	ctgttcgacg	360
ttgagagtgt	cggaaaaagg	tgaacgacac	tttccatggg	ctatcaaccg	tatcttctta	420
gcgtccgaat	ttgtatgccc	ttagggttac	ttctaaggga	accacgactg	tattacgagg	480
aggggagtga	tgaccgggtca	tatcggcgtc	acttcgtctc	gatgggggttc	gtcatgaagg	540
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ctcgatgaac	gggttcatcg	acgattacta	tcccaaagca	atcagtggct	gggatcaaag	660
tttctcgacg	catcgtagcg	aatatatctg	aagtaaacca	cgagctaggg	caacgcacta	720
tactgtagac	catagcgggc	gaggtgccac	tctcgaccct	agtggctgtg	gtgaccgacc	780
gaggtctatc	gccatgcgga	ctagaggctg	aactatctac	tctaatcgat	cgaggataga	840
taacacttac	gggtaagccg	gaaggatgtt	ctgtctccga	tctgtgattt	caatgacact	900
ggggtcgtgc	cacgatcttt	gccgatttag	tgccgtaacg			940

<210>	3388
<211>	1054
<212>	DNA
<213>	Glycine max

gcagtaccca agaccgcgaa accaagtaac tagccgacaa tacgccggag acccgaccac 420
 gccaggggac gggaaccac agcaggacag acgtacgcaa cctcgacggg caacaccagg 480
 accaaggcac acacagccca tgcacaccac gcccaacggc acacaccaa tgcacctgac 540
 ccacgacgaa gggggccgacg acccccacac gccaaagacac agccatagag acacaccaac 600
 ccaccggccg catccagcgc gcccaacgga gcacccagac cagatcaaca ccgaagcggc 660
 ggcccaaact acagcaccag gcaccccaac cggaaggaaa aacagcgcaa agacccgcca 720
 accacaaact gcagcgcgaa ccagcgggaac acacaggcgg acacgcgccc acaccaccgg 780
 cgctggcacg gacccctacg aacccaaaca caaaccacg ccgcgcgcgc aagcagctcc 840
 agcaagagcc acacgcccac caccgcgccg aacaaccaac cacaggcacc cgcgacgcaa 900
 cccaaccacg cccaacaaaa cagcggccac ccaaccaagg aaacccccac tcccccccg 960
 gccaacgacc cccaccccaa cggcaccccc accaaaccac tacctaaca aataacacac 1020
 agcactcgac acacacgtcc accgccccca cccc 1054

<210> 3389
 <211> 1085
 <212> DNA
 <213> Glycine max
 <400> 3389

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 actgtcattt agcgcacccc taatccacat ccttcactca tctcaccga cgtggtagca 180
 actcacattc tccacctttg tatttcattg gaagccaatg gataccataa tactcctgca 240
 ggaaacttct gtccaacaac gctttattgg gctgggtcaag gagaaaacca tccaatata 300
 cctctttgcc ttcagtgcga agctctacta ggccctcaac cctggcacca ataaaataac 360
 gactacaatg ggcatgccc aatcttcttc taacagtaga attgtctatc cactgtctta 420
 atctattctc aggacaagtg ggattatgtg taaccattta ggtcgtaaca catacccgcc 480
 taaggtttag ccccttaaata ctaacgaaaa acaccgcttt aactatcctt cataatgcta 540
 gtatgcccta tcccttgacc ataaggcttt aaccattcct agtgaagtaa cgctggatgt 600
 caaggtttta cccacctctg attctgccga acaaacatgg tttaactcac gcttattatt 660

ggtataatgg aaccaagggg tgaacctctc caagaagtgt gaacttctga tcattgattg 720
 ccttaatcca ctttaacgac aggaacgcaa tatccaaggc caattgggat aacatcactt 780
 atattaggct cgacatccat ataagcggtta aatattgcaa caggtcacaa gctacacact 840
 aggggtggcta taacaaccta tgtgggacac gccaaacaca ctgtacgtgg aatgctatat 900
 cctcccttta agggcctaga ccatctaccc acatgggttat accggtctta gaacaatgag 960
 ttgactctca ctgttatatc cacctacggg tacgataaaa acatactgtt taagcgaagt 1020
 gagtgtcctt gctatggtaa acacaataga ccaggcgcaa tgattgcttt gtcagttata 1080
 taaca 1085

<210> 3390
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3390

tgccagctta aagaataatt aagaataatg gtagaatatc ttattttata ttccggaaat 60
 atattctaata caaaatacaa actgattaag taggctaaaa aaactgatata aatatcttat 120
 catatattct aataacttcg aaattacccc acaaaaatta ttacttcga aa 172

<210> 3391
 <211> 1422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3391

cgccgcagta actcagcgtg tacactgcgn cacactatac nactaccctc tctaccctac 60
 accgttctntn tcacactntc aactaccat ttataatant acataaantc tcancgcaan 120
 tcagctagaa cacngagtcg gggancntta attcgattgc ccttgtegcc tncaccgtct 180
 atgatattaa taaatacctt cgaagntcgc tctacgaat gaccaactat ctcttggtact 240
 atatgagaac tacacatata tgagttctga gtctagtact cccatcacat gcncgtgcac 300
 gacacactac ctgcactaag taggggtactc atcggtactc ccgtgtctct cacacactcc 360
 tctcaccaca cgctattcat aaagaacgac gacacacgat aagaatgcga cgcacgacgg 420
 ctgtaacaat tggcgcatga gacggatcca tcgacgcaaa catcaggact gactgtctcg 480

aagaggagac gtccggcatg tcagaacttc acaagaccat tggctcctgct gcgcatggcg 540
aacggactag gcaggcacag gggattacac gtccacgaca aggggtaaca cacgcaacgc 600
ggacgatagc gtcgcaacca agtgtegcag tcacgtcacc gtccaagagc gacctactac 660
ttaggggtca gagagtagaa taactaccgc ccgcaacagg cctgaagagg cgtttacgcy 720
cagggntcac acacaatacg gcgcaccatc cacgcgtcgg gcatatcggg aacacgctga 780
cgaccctctg gacacgcatg caaccatcag tactcagca tatggaacga gtcaccatg 840
cggcaaaacg cagacgcagc cctctatcac tcagacttct tegtctgtag atgcgcacaa 900
actattcggg gcttcacccg aatgtctcca cgagcactgc acagtacacc atctgagcgt 960
tcgtacgcag accgcgcgcc gatcgcatcc gatcatacgt gacgaacgca acatangcg 1020
atacacagc gcacgattac gctgcatgct catctgcgca gtctgtcgca tgtccagacc 1080
cacgactgac gagattatgg tactgacaga ggagacagtc gccgtaccat caacggacga 1140
cgttgagnct aaccgtgaca tacgactact gtcgnacgct gttgcaatac ngatcgatat 1200
gtcacatatc gacatgatcg ancgcgctac gcatgtggag tcagtgtact gcacgtctc 1260
cagagacgac acctcgactg tacacgttga gtagcactga gtgcgacgac tgcgcnctgn 1320
catgacacgt gtcatgtgng tgcacgcgta gcgaggaccg atcagagacg atgaagaggc 1380
ncacgtcgag caccgtgact anagacgcga tacgtcncgc gt 1422

<210> 3392
<211> 381
<212> DNA
<213> Glycine max

<400> 3392

ttgatggctt tgtgaaaaag ttatttaatg gagggcttcc cattctaate ttggcatgga 60
cgagaaacat cctgtgttac cacatgtatg acttggttga aacctaataa atattccttt 120
aaatattact accatataac tttggatgga ttattaaaaa atatggtcaa ctaagtctat 180
agatcttgaa ctgtatcaaa taatggattt caggtcttaa acacaagtgt gattaatcaa 240
aatctctaaa cattgtttcg ctaaaatttt agatcctgtg cttatttaca acattaaatc 300
atgatattga tgtgacactc aaactattat tattaaactt gggtacattt tgcagcggct 360
aaaaattgtc aaaaatttac t 381

<210> 3393
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3393

tgcaagcttg agatgaggaa gngntgaagg gagaaacttc ctacttttat tcggtgacca 60
 cagagtggta cctggagata tgtcgcgggg gtcaggagac cttggggacg tcaggtgggg 120
 tgctattgcc caaaaccaag cttgaccaat cccgaacaa cccgggcata 170

<210> 3394
 <211> 632
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3394

agcttcaagt tgctcggata gcaacttgtt ttgggccaac aaagtgttct atgatgaaag 60
 cttcaacagg cttcttttgg ttgggatgtg tgctctatca cacaagattg aatggtcact 120
 agcaaccata ttgtcaatca attccatggc ttcttcaggg gccttcaatt ttatttttcc 180
 cctgcagaag catctaaaag ctgcttggat tgtggcctta acccgtcaat gaaaatattg 240
 agcaggattg gttctaaaaa tccatgagta ggcgtctttc ttagtaaccc aaaaaatcct 300
 tccaaagcct cactcaagga ctgctttgga aattgataaa aggatgagat ggcagctttt 360
 ccttcagcag tcttggactc taggaagtat ttcttcaaga atttttcaac cacttcatcc 420
 taagtcttaa gactgttacc tttaaataaa tggagccatc tttttgtctc tccaaacata 480
 gaaaatgaaa acaagctcaa tctaacagca tcttcaggca tgccaaccag tctaacagtg 540
 gtgcaaattc caatataagt ggctaaatat gcatatgggt cttcatttgg cagaccatga 600
 aacaanatgt tctgaatcaa ctgaattaat ga 632

<210> 3395
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 3395

gcatgcaagc ttcaagtagg agcttccctaa accttcatta tattttttaac tttaccttct 60
 cctccattgg tggttcttca tttttcttca tgtatctctt cacatgtctt gttttgaata 120
 ttgttaacat gattttttttt aaaatttcca ccaattaaac ttgctat 167

<210> 3396
 <211> 1106
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3396

gatcgtgcac tctccatngt catacctctc tctctatcca cgtattctcc tctatctctg 60
 ntagtctata ntatatcatc tatatctgaa gatnanacat ttaccnacac acnctcntcn 120
 cgtacgtgnt ttgaatcgat gcatttaccg acactctata attctcanga cctgtcgtcg 180
 caccatccga cccgaacgtc cacactatgt gaccgacatg gtgtttggtg ttcttcccaa 240
 tacatctcta acaaaggctt cgaggattga ggggaagatg tcttgaagag ggtgacaacc 300
 ttccctcgca ctgctaagtg gcttgacaca ccaccactgg ggtttctcct tgagagaata 360
 ttgtcagcat gggggttcat cagaaaacca tttgggggac cgtccatgtc gtgggttgcc 420
 tatatgtgcc taaacaccga atgcgtagga cccaatacct cgaccccaaa ccccgggcaa 480
 tagtactggt tcaggatgag acaccttgta gactgttacc ataattctag gactaagctg 540
 tctgcgccg tcataccgca tctatagtga aaagcataga accaccatag tcacggaagg 600
 cgttgtggag ggattggcca cacttgcca ttctagcgta ataagataga gtggtaggcg 660
 tetgtcacc cccctctct atggctttta gaggagacca taattcatca taaaacgcaa 720
 acttgaatga tcttttgggt cttaatgtgg agtgggcaag aaacaatctc taaaaatctc 780
 atacaattcg gcaatctttt atctgtcgtg aaatttagac tctttttact acacttttga 840
 tcatgcttta gattattaat cctttgggtca tatgtcgtca agtaggtagc aatactgctg 900
 gttgggatac atcttatcat atctaaattg agacctatca cctttattgg ggaggcaggg 960
 tgttttcgtg gtcttcaccc ttcattcgtc tccacatat attaacactg gtgccgcat 1020
 ctgactctcg tataccactt tgtccacacc tactctcctt gcattttcag acgactcgtg 1080
 attttcatct tattatgtca ttccca 1106

<210> 3397
 <211> 319
 <212> DNA
 <213> Glycine max

 <400> 3397

 tacctaatat tctgttaaca ctctatcttc aaaagtgggtg gctttttact tttcttgaag 60
 aatataactt gaggccacag atttttaccc accatgtgtt tgtggaaaaa tcgtatttct 120
 tcatcagtct cgggtgtatgg gaacttttgc tgggtaccaca agctcttgca tatataaaca 180
 ctatattgta tggatacagc aaagcttaat ccggtgcatt ataaaagtat ctatacgtac 240
 acatgggtcca agactaagat gacagtttat atttataaaa caccttataa gttcccgcta 300
 tgtgacctcc catgtgaac 319

<210> 3398
 <211> 525
 <212> DNA
 <213> Glycine max

 <400> 3398

 tgcattgttag agtagtacca caggaagttg ataaaactaa attctaaaga cacataattg 60
 ggacatttta ctcaactatc tttgataact tttcctatcc cgaggatatg ataattggagc 120
 atctcaataa caaataataa tggcatatga aagacataag tgcattgcatt ctaataattt 180
 aataatttca tgttttaatt tgcattatga taattttgtg attagtaaaa tcagatacag 240
 ttgtaaactt tcacactctg actcatgagc accctcattc ccactattta attgatagat 300
 cccctctaac aaactgtcta taactatttg tcaattccct tctatcttaa atgagatggc 360
 tcatcgtctc cccccccccc cttcatgctc tagaagatac aaatttcaca taacacccaa 420
 cttaatgatc catcaattta aattgagtgg gaagacaaag ttacaaaatt cagaaatttg 480
 caatctttta cttgggtgaa gttgaactct ttacaaaact ctgac 525

<210> 3399
 <211> 172
 <212> DNA
 <213> Glycine max

 <400> 3399

agcttaacaa actctgattt tgtaatatc cttgtgctct aaaagataag aattatgtta 60
 ctaaggaata gtatatataa ctatgtaaat aagccagcaa gaagaatgaa aaattacctt 120
 tatctaattt ctcttctctt gtccatggag gccatggtcc tcgaaaccag tt 172

<210> 3400
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 3400

tttaatatat taaaagtttt gttctgaatg tttattatta gcttttgata acatgacacc 60
 atcttaatag ttcttctaata gtatatacgc tgtttgatg gtctcacgtg attaccctgc 120
 ctgacatcat agactaaaaa caattttttt aatatattaa acaatttttt ttaatagtga 180
 ttcaacaaaa atcggatata tattatatac gtaaaagtta tttaagatta aaataaaaaac 240
 tatatatact tgcacattaa gtagtaaaaa tatatgagag ctgcacacta accaattaaa 300
 tttaatgtga gctgaataaa tttaaattta atgtgaaccg actaaattca aacaccctaa 360
 gcattatagg accgattttg tattttttat tttcttgggc aattaattta attttaatgt 420
 aacacttaac t 431

<210> 3401
 <211> 176
 <212> DNA
 <213> Glycine max
 <400> 3401

agcttggtct tgattttttc aaagttcttt aacaacctta taacaatata ctgctccttc 60
 atttaattat ctttgggctt gtogaccacg atcaacaaag tactttcgac agctactata 120
 tggtgatttc accaacgctg ttatcggtat gctgcgacaa tccttcaata ccttat 176

<210> 3402
 <211> 546
 <212> DNA
 <213> Glycine max
 <400> 3402

ttcttatgtc ttaccattt ttctctaag gtagccaaac ttcgttgaag gatgaccttg 60

gcaacattgg tcgagttttg taccttgact gaccaaata ggttttggc aaaacgggac 120
 acaaagtatg taggaatcct catcttaggt ctatagcaca agcttcatat tgaatttgta 180
 tcatgagaag tgtatacatg gtttagtgag acacttggat gtgaaaaaga ggaagacatt 240
 gtcgaaggta agataattgg agctgaaggt tgcaaggccg gggaagaagg aggcaggctc 300
 gccaaagacat ttgctatcat cacaccaaca cttagcaatg ccaagggagt tgatgcaacc 360
 agagtagtgg aagaaggggc agcaattgcc tgaatcaaac gagaagaagg cccaaaagaa 420
 taaaaaataa ttgcaaaagc aacaacagct tgagtagcca acaagggtga aggtggacct 480
 tgggacctgg taggggaagg acggctcgag ccggacatca acccagtagc ctgctttaga 540
 gcttga 546

<210> 3403
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 3403

agcttctccc ccaattttct ataaataggg ggagaagtga attgaaaaag ggttcagccc 60
 cttaggcact tctttctctt tcgaatttgc ttaaaaaaat tgtttccgtg aagaaaatcc 120
 aagccgaggc gtttccgtaa cgtttccgtg aagaatttcg cgaagggttt cgaccgt 177

<210> 3404
 <211> 602
 <212> DNA
 <213> Glycine max

<400> 3404

taaggtagc gaagggccga ggctttggg taaaggtagc acccattttg cctcaacctt 60
 tggttttaaa aactgaaatt catatggcac gcttagtgca cagctgcgct tagcgcgtca 120
 atgcaacggt tgggttttga gcaaccctgt gcttagccta acctagtgt aagcctaact 180
 tgaggtttca aattccagt agcatttggg gcttagcgca gaaggtggg cttagcgctt 240
 tctgcaacac aaaattttct gccatatgcg cttagcctga gatgtaaggc ttagcgcgca 300
 atcaagcttc aacttacaga gagtagttca ggcttagtgc aacaggcgca ctaagcgcac 360
 ttccaagaat tcaaaaacag taagagattg gcgcttagcg catcctgccc cgctaagccc 420

aagtcacgga gttcaattac agaattggata tggggcctaa ctcaggacag cgtgcttagt 480
gctgctacaa taaatTTTTT ccagagaaaa agtggcgctt agcgcatcat ctccgctaag 540
cccactgctt gaagtctaatt tctagtgaag atgttgggct taacgcgatg atgtgcactt 600
ag 602

<210> 3405
<211> 173
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3405

agctttanaa caagctaaac atgcaaaacta aaatttgaat caaaaatata aacccaaatt 60
ataaaatggt ctaaaagcag gaaatgataa taaaagtgtt caaaagacag gaaaatagaa 120
tataaatcct gtcacgagtc ctatgatgct ttagatgggt catcatatgg agc 173

<210> 3406
<211> 601
<212> DNA
<213> Glycine max
<400> 3406

gctgaatatt ccaatgtaga atatcggttg tataaaaaaa atgtttttta acaatggaga 60
ggaagtattg aagtaacact aactaataaa tatttcttga gcaccattgc agatactccc 120
aagtcccacc atagatggtg gtcaatcttg ttgctttcta actagtctca aataacatca 180
ctcagtcaaa taatcaaagc aaaaatcaac tcataatctca tgcataataa tttttcactt 240
caccgtatac aattataaaa tccttttttt tcataagcta taaatcaaatt acttatatat 300
caattgaaaa tatctcataa ggtaaaatct aatccaacct ttaccataag ctttggttaa 360
gcaagccaga cacaaatata tacttggttt gtgctctgca ttattacaca ttattcctat 420
cggttggtta taacatagca ccacacatac acaccactca tatctcattg attaaactatc 480
aacactgcga ccatataata tcaactcaata tttcaggtga gtaactgagc tggtaattta 540
atatgaccac tgcataataa aagaaaaata aagcaatttt ccacatcata atagctagca 600
t 601

<210> 3407
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3407

agcttggttc taagcaggga tccattatta gtgattgtag aactaccctt gccacttatt 60
 caaacttttc ggtcaagttt attaggtgac gagctaatat agctgcaaag agcttaacta 120
 aaacagttat tgcataatgt agtcgggact gttttaatca tttttcacat t 171

<210> 3408
 <211> 700
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3408

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 tatcacacag agtttgatga atttaaagtg gagttggaga ggcgtaattt acacaaacac 120
 ctactaatc ttttaggaagg aagcattgat gtggcgattg tcaaagaatt ttatgccaat 180
 ctgtacagcc ctaaggatca gtcacccaag caagcacgag taagaggaca tttgataagt 240
 attgatgcaa acagcctcaa tgattttctt cagacaccag ttgtgctaga ggatggggag 300
 accctaccca cctactctag attttgcagg ttgaggtcta atcctcaaga gatagaggct 360
 agactgtgta ttcctgcaa gggttttgtt ttgaacgccg aaggccaacc atggaagctc 420
 ctcaaaaagg acttgaccac attggcccag acatggagtg tcttatctta ctccaaccta 480
 gctcccatc cctacacatc agacttaaac acagatagag ctagggtggt ttacaagctc 540
 ntaactcaca tggatatgaa cattggcgcc cttatcttag gtcaaatttc ttctattgct 600
 caantcaact cctgtaggct tgtgattcca gcattgaata ttgctctctg cagagctaga 660
 ggaggtactt atgatagggt gacctacgag agcctgagcc 700

<210> 3409
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 3409

gcaagcttcc aataatcgat gcgaaagga ccccatatta agctttacta acttctagta 60
 atgggggggtc ctcatcggg gccagtaatc tatctaaacg aactactcta ctcaacatac 120
 acaaccatat attttggggc taaacaaatt t 151

<210> 3410
 <211> 909
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3410

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 atcaaacgca cacacanaca acacaaacac acacnnnnnc cggggtgatg agtgcattggc 120
 aanccnttng nataaaaacc aacccatatg acaaggacaa aacagcaagc agaaatttaa 180
 ttttattacc accactgcac caaccggaag gggaaaggaa aaacagaaaa cacacagctc 240
 acgaagagga caaacgcaga agaaaccata taacagagac aaggacccaa ggtggaaaca 300
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 cgctaaccga acaacgggat cgaatgcgaa cagaagaata aaaaacacaa ggagggccga 480
 caagaatgca ggaacccaac gatcaaggga gacgggagag aaagtggcaa accgagggca 540
 aaagaacaaa ggaccgaacg accaacggag cggacgggaa cgcaaggggc acacgagaca 600
 gaagggacag cgacaagcaa acgcaaagaa caaagaaaaa tcacggcgcg aaaacaggac 660
 acgccccaaa caaacacgaa aaggccgaac cccaacggcc atcagatgca ccaacacaaa 720
 caciaaccaa agggcgccgg aaaaacacca cggaacaaaa aaacccaaac cggccaaccc 780
 caaaccacaa ccaccacagg caccacagga aaaaaacgca cgcagcgagc gagagaaaac 840
 cggaaaaccc caccaccaac agcacgacca cacggacaag gagccaggac aagacagaaa 900
 cgaaccccc 909

<210> 3411
 <211> 527
 <212> DNA
 <213> Glycine max
 <400> 3411

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cccccttcca atcctacatt ggatctcatg acaaccttga gacatcttac atgacattcg 180
caccatgttt cagaatataa tgcttcagct gtattcaaat ttcaaaagca taacttgtgg 240
attacctctt tgtaaacatc aattggaaga ggcaatctaa gatatgcaat ccagtcttta 300
gtaaatttta gcttcatctt tttggcaact ttggctgctg acaataccta tatatgtaaa 360
atgaaaatta agtagacagt aaaaaagaa aaactacaca aacaattaca agagtgttta 420
aatgagaagg gccttcaata tataaattca ttaaattgaa gataagaaaa ctactatgga 480
attggaaggc aagagttcct taataatgaa aaaacaaaaa aggagac 527

<210> 3412
<211> 385
<212> DNA
<213> Glycine max

<400> 3412

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attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180
gttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcttttgag ttggctcaga ggctcaacat tcaagttcga gcggcccgat 300
atattacgtt aatgaagcgg acatcacgct aaaaagttat tgccgattga attcgctccc 360
aagatcaaca ttacattttc gagcg 385

<210> 3413
<211> 166
<212> DNA
<213> Glycine max

<400> 3413

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caacaagaat caagccaagg ctattgggca agcaatcaat ggggcaaac acaccaaaag 120
attatgatga tggatggctc aaattctcag aaaggtaaac ttatca 166

<210> 3414
 <211> 536
 <212> DNA
 <213> Glycine max

<400> 3414

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 ttcttacaat gccttacttc tgaataaaaac tctgtctaata aagcaagttc cctgagtttg 180
 atactcggat cactccgttt taattttaaa tacttaacga cctgatgcgc tttccgacga 240
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 ataaaactcc atgactactt taggatcata ttagccatg ggctctgcca tctgcgtcca 480
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<210> 3415
 <211> 651
 <212> DNA
 <213> Glycine max

<400> 3415

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 gggcatacat ttgaattagg gagctttgga caaatgtttc taattcaaag cctgctacaa 180
 ctatatgtgc atggatgggc attccatgat ccaaagggtc atcaggagac aaaaagcac 240
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 aggcttcaat cgctgcatta ggttctttgt tatcagcatg tccacctatt agtgcattcc 360
 aagtcacttc atctctgtca ggcataatth tgcacaccct ttgtgcagca gccatggaac 420
 caaatttccc atacatggta accaatgcat tacctatgat caaattgtga tggagaccaa 480
 gaagaatcac aaaggcatga acaatcttta atgtttctaa atatacatgc agataatgca 540
 gtagtgaagg tacatagttt gtcggctttc ttgtttgaag catctcaatc aaaagttcta 600

agcacgtgga taatttccat tgtcacattg cttgccatat ggaattcatg a 651

<210> 3416
<211> 168
<212> DNA
<213> Glycine max

<400> 3416

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cattggtaat cgattaccaa aacattgtaa tgcattacag ctttttgaaa aataattgga 120
acgttgtaaa ttcagtttga aaactttttt caaactcatt ttgctact 168

<210> 3417
<211> 662
<212> DNA
<213> Glycine max

<400> 3417

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ttggaatagg taactgtttt taatatcaac agttacctat ttttatagtc caaaacagtt 180
atcaacagtt acctatttta atcctgcacg gtaaaataac taaatgcaat aacctatttt 240
aatatcaaca gttacctatt taaaatagtt acaagcataa tttgcaataa caggatatga 300
gaacttttag aaactgccaa tacgaggcaa gtgaatagtt tataaacagt ctggaagcat 360
tcaacaatta agcgaataaa atagaaaaga gagcaagcaa cccagttcct taaatccatt 420
tggtgtaaaaa cattatctat acttaagcat tacttgctca agaaacaaaa aatatgttaa 480
aacaacaata gtgaagcccc ctctgttggg cagtaaaatg ttatagcaat tgcaggaaat 540
ttcaacaacc ctgtggatct gtgtacagac atcatgggtg attctcttgt atagtgcaga 600
cagaataaca cgttactata aatcatgcaa cattacttat tactaccag aaaaataaaa 660
ta 662

<210> 3418
<211> 176
<212> DNA
<213> Glycine max

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<210> 3419

<212> DNA

<400> 3419

<210> 3420

<211> . 178

<212> DNA

<213> Glycine max

<400> 3420

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accaggcaga gcactagcct aatctggttt tcgcagatac caacaactta attcaaagaa 120

caagcatcta taattggact cgaaccatcc aattacatac atttaaagga tttttaac 178

<210> 3421

<211> 655

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3421

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tccagagggtg agaggggaccc atcgtgcatg aaaaacctgc acataagcga tggaaagagg 240
tgggcgacaa atgaaggcat ttacaacaca aaaacacaga aaagaagggc actcgtaaata 300
atgaggggaaa aagccactcc gatcaacaaa attgacgatt ggcgggtagt accacccgag 360
cacctacggt tgctcactca ggggagagta gcttcgccat ctcaataagc gcgggatgac 420
ggctcctgcg gaacgaaaac aactaccag ggtgcggaga cccatttgca gccaaagggtg 480
attccctaac ggacgaacgg ggacatgcaa aaggggggaa acaccgaggg caccgatata 540
ctgggtaaca gacgagcttg ggacacaaca aaaaagatcc tctaaagaag tagccgaact 600
cgataaatag gcgacgagc atcgggatcg gtggtacctg ctaagtattt cacgc 655

<210> 3422
<211> 171
<212> DNA
<213> Glycine max

<400> 3422

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gccggggtac ttttctagac cattaattcg aaccacaaaa atgggtgaac aagttgataa 120
aaaagaaatg gttgaacaat ttacacaaca ttaatatgtt cgttgaaaat t 171

<210> 3423
<211> 631
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3423

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ctcttaagtc ttgaattggt cttgattcct tcttgaacat cttgaactca tcttttgatt 120
gacttttgag ctttttggtt tcacctttgt catcatcttt tggtatcggt attgttatca 180
tcaaaacacc tttgattcac catgaagctt tgcttctaca atctccccct ttttgatgat 240
gacaacttct gaaatcaaga aacacacaca cactttttcc tagtcgatca ctcacataaa 300
ttctccccct ttgtttttga atttatgctt atcttaaaat taagttgatt actcatgtga 360

attcttgatt taatcccatt tctctcccc tttggcatca acaaaaaagc caaagtgcgt 420
atcaaactta aagtatacaa atataactta cacatccata caatattcat ggaaaaatat 480
caaccaaadc atgaagcaag aagcaagaac catgaagcaa ccatcatgaa tagattaatt 540
ataatatcca catagtcaaa taacatactt aatatttggt caaacatacc atgcaaanta 600
aagaaatagt aaattgggtca aatatcataa t 631

<210> 3424
<211> 95
<212> DNA
<213> Glycine max

<400> 3424

agagaaagat tccatggagg aagaatttgc cttagagaca cagagagaga gagagagcac 60
cagagagatg agggagccta ggaattgaag gggat 95

<210> 3425
<211> 429
<212> DNA
<213> Glycine max

<400> 3425

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atgatgtcaa gattgagtca aaaagttcaa gaaatcaaga agattcaaga ttcaagagaa 120
gttgatttca agattcaaga aaagacatca agaagaatca tgattcaaga gaagatgaat 180
tcacaaggga agtattgaaa cggatttttc aataaccaaa catagcatag ttttgtttta 240
caaaaagagt tttctcaaaa ttttctaagt taccagagta tttactctct ggtaattgat 300
tatcagtttc ctgtaatcga ttaccagtga taaagtttga tttcaaaagc ttttaactaa 360
atttgcaacg ttccaaaagt tttttaaatg gtgtaatcga ttacaatata ttgtgtatcg 420
attaccagc 429

<210> 3426
<211> 417
<212> DNA
<213> Glycine max

<400> 3426

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acaggcttat cttggacggc atgtgtgctc tatctcacct gaaaaatagc tttcctcaca 120
tcgtcgacac acagtgcgtg agtgactatg ttagtgatga ccatgttctc gtgaatctgg 180
cgcaacttggc actgtgttat gcgtttgtgc gcttaccctc ttgatggata tgttccaact 240
gtaagcgaat cacaactcga tcttatgctg acaacaatac aaaccttgcg gacgttgctc 300
tgaactttat gcttgaaggc cctgggtgagc gtctttacta tcatgttgag gattgctctt 360
ggccctaatt ccaactgctag tagccttatt taaagaattt tatatccttc tctattc 417

<210> 3427
<211> 151
<212> DNA
<213> Glycine max

<400> 3427
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aaagaagtgg aaatttgaaa agtattttat aagattttca ttcattgaaag ttacaaaaag 120
ggttataaat gcttttattt atagagtagg t 151

<210> 3428
<211> 676
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3428

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gcctttgctg cgcattgttg tgcatttgca aagcaagctc ctgcagcgtc gtcacgtttt 180
caacctgagt ttccaaagct tcaagtcggt caccatcctt tgtcatgaac aatctccgcc 240
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aaaataacac agcaaaagaa tggataatct gtaattatat tgatggaaga aatgacaaat 360
tacagataaa acaaagatag aatgtattga tagtgatagc tatcaacca aagcactaac 420
ggcttccttc acctcaaggc gatctcattt ctctctccca atctcaaatt ctatcgtgat 480

tattctctct tccctccgca cactaaatac taactacttc acgtgctcct catcaccctt 540
 tntgccagct catcatcttt cattccccctt ccatgggttc tcttgtaaac tctccacacc 600
 tggggcgat aattctctc acgcccactt catatctttg ttctataagc agcagtttaa 660
 ttgacagaaa ccaaaa 676

<210> 3429
 <211> 870
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3429

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 atatggagag gaaaaagatt ggganagggg aaggggaaat gggagaggtg ggagataaaa 180
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 ggnagnaggg gggggaggga gggggagagg ggnagtagga ggggaggggg gaggggaagg 780
 gagannnaga ggaagaggag agggggggaag nagagggaag ggggaagggg aggggagggg 840
 agggagagaa ggggaagnag agggaggggg 870

<210> 3430
 <211> 316
 <212> DNA
 <213> Glycine max
 <400> 3430

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 ccccttctct gtcaaacgta attgggcgac tctttgtgga tgatcattct atcctgtccg 180
 ggctcaacat acaaattaga ctgtgacttt atatattgtt aaacgcaaag gtctaaacat 240
 ggctcagtct atatatagcg ttagtgcgac ataatgctc atcacacgaa acgaatgaac 300
 cctcactttc tctttc 316

<210> 3431
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 3431

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 gagcctcaat ttcaatgtct ctgtgcgagg ggcatacttc tctttacaga tattattttg 120
 caaatcccaa cgataggaat gcgccaaaat aagttccaaa agtgttatc 169

<210> 3432
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 3432

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 acccttaagg aattttggag ctttgggaatt gttttgggaa taactgtgtg tgtggggggg 180
 ggggacct 188

<210> 3433
 <211> 513
 <212> DNA
 <213> Glycine max

<400> 3433

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ggagaagccc atgctgtggc tgccattcct atacagccat gtttcccacc aaccaacaa 180
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<210> 3434
 <211> 163
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3434

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 attagttccc atgtttcctt atcttttcat gatttggttc ctt 163

<210> 3435
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 3435

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 tgatttgagg gccttggttt cattgcattg gaatcataaa ccaaggctgc aagaaggcca 180
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490

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<210> 3437
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3437

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 taaaaaaatg tttaaaaata cttttaatta atatttgaat ttttttttat tcttagtata 180
 tatgtgaggg gtagaagggtg tcacaccata tgtatatttc tctttgttta tatgcttttt 240
 tgatcaaaat gaaatggttt tatgtaggag ttttagtggg gtttttttta cgatggagtc 300
 ttagtggttc ggattaattg aagaggatgg tactattgta acatcttatt tttcataaat 360
 aagttaaaaa ggtttttag taaaaaaaaa taaagtttta taaaatagtg agatttatc 420
 atttgataag acataaaata gagtcttttt attaaataat aaaaataaat aaatagagta 480
 aataatagtt tatgagtacc ctatctataa atagcatctt aggttcagtt tcagactgac 540
 gatactctct acacctnctc tttctctc 568

<210> 3438
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 3438

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 aaagtatatg gcgattgttt ttgtgagag cttcaacatt caatttcgag cgtctccatg 120
 tattacggga ctcaatcaga catccgaata aaatgtttgt ctttcgaatt agctctcagt 180
 gtcagaattc aatttttagc gtctcaatag attatgggac tcaattagac atccaagcac 240

aaagttatcg tcgtttgaat ttgctgagag cttcaacatt caatttcgag cggctcgatg 300
 tattactgga ctcaatcaga catgcgagta aaaagttatt gtcattcgaa ttaactctca 360
 tcttcagaat tcaatttcga gcgtcttaat agattatggg actcaatc 408

<210> 3439
 <211> 102
 <212> DNA
 <213> Glycine max
 <400> 3439

atctttaatt aatcattcct agaattgatc ttatcctttg acttaaattg atagatacgg 60
 aatcattagg gcattgactt acagcaaaga acatcttatg ac 102

<210> 3440
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 3440

gcataatatt ataataatca cttccaaaaa ttgacaaaca taatttaaaa gaaatataat 60
 aataaccata atattaatta acaatcataa ttgttttatt acaatagaaa ttatccaaaa 120
 taaacattct atcaatttac ctaagtaaac attgtatcag tgtaccaatc attacaaatt 180
 tatccaaatt ataataatta gtcataatct actataaata aaagataaac atatatcata 240
 taccaagagt gtccgaccgc caaaattcga agaagtgaag tatgagttaa catattttta 300
 tataatattt agcatattgt tattataaat aattaaaaaa aaactaaata tcatgtcaac 360
 aaat 365

<210> 3441
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3441

agcttganat tgaacaacag aagctctcga gaaattcaaa tggtcataac ttatcacacc 60
 gaagtccgat tcaggcgcat aatataccga gacgctcgaa attgaacaac ggaagctctc 120
 gagaaattca aatggtcata actgatcaca cgaaagtccg attccggcag atagtatacc 180

aatcgaacct ccgtgtgata agttatgacc atttgaattt ctcgagagct ctccgtggtc 360
aatttcgagc atctcggtat attatgcgcc tgaatcagac ttccgtgtga caagttatga 420
caattagaat ttctcgagag cttccgttgt tcaatt 456

<210> 3444
<211> 145
<212> DNA
<213> Glycine max

<400> 3444

ttaatcattc ctacaataga tcttatcctt cgacttaaat tgatagatac gtaatcatta 60
tggcattgac ttaatgcaaa gaacatctta tgaccttgat aatagacttt agttaatttt 120
gggaattaga aattaatatg gaaag 145

<210> 3445
<211> 211
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3445

agcttgacaa ggggggtcatg gggagtcatt ntctctatat ctttctttca ttcacaaata 60
attaataagg ttaattaaat ttttaatccc ttaaattttt tagcctccaa tttttaatct 120
cttaaatttt ttttataaat ttttaatcttt cattaatttt tttatcactt tacttcttct 180
acattatttt atctattttt aattcctcat t 211

<210> 3446
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3446

agcttgacac attgcttaac cacctaaaag gcaaaagcaa accaagctta actatcaaga 60
gtagaagcta cacacgatgc ttaaccactc aagacagcag caaaccaata acagtgccta 120
accaccatat aggtagaagc aacatagctt aaccatcgag agtagaagct aaacatgggtg 180
cttaaccact aagacagaag caaaacaata tttgaatgct taaccaccat anaggcagag 240

gcaacacacc aatgcttaac caaaggcaga aatttgacat caatacttaa ccaccatgga 300
 cagaagcaaa tgactgtttt ttttataaaa aaaaataaac acctaaaacc tcttgatgaa 360
 tggaggggac agcaatagta aacagagaat atatatacag cagaggcaac acaccaatgc 420
 ttaaccatcc atggcagaaa tctgacatca atg 453

<210> 3447
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3447

agctttntat tctaaccttg aaattcaaga aagtaccttg atttctgagg tctttgggat 60
 aaagatggtc attgaccaat ccctcttcta tgatttgacc caattgtcta gtgacgggtg 120
 accatttgaa gttgcactgg atgatgattg gaagtttgat tttttgtgc atgatgccca 180
 ccggttgggt tgcaccaacc aagcgaatag gaccagaagg ttgcttgccg attcattggc 240
 tcttgaaagc ggtatcctcc attatctaatt tgtccgaatc ttactcccca gatctttaa 300
 ccttgcatgg gtttctgaag aagatctaatt agttatatgg gcctttcata ccggccgaca 360
 aattgattgg gtacatctag tccgatatcg catgcataag gcattgcat taaatgctcc 420
 tttgccttat cctcacttag ttacc 445

<210> 3448
 <211> 153
 <212> DNA
 <213> Glycine max
 <400> 3448

agcttttcag aagggtaaaa ggctcacatt cactttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctcgactca aagaaagaca tataagtctc atacaactaa 120
 tatagaacct atatgctaatt gtcacatcct atc 153

<210> 3449
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 3449

agctttttgta aaccccatatc atttttagtag acgcctatgc natattttct tttgtgcaag 60
aacaataccc tctgtgagna tcgggcaacc ttccaagcca agaaaaatat tgaagcgcgc 120
ctaaatcttt gat 133

<210> 3450

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3450

agctttccac attgaattca gcacctaata tcatattaga tggaaattgt gtatcttaac 60
ataagagatt tcagatggac tttaatccta atcccacagc cgaccttttc acgagatctc 120
tacttaaccc tttgggttaa tgatcagcca aattatgctg agttctcaca aactccactg 180
atatcacacc atgcatgatt aactcccgaa ccatgttggtg tctaacaccc aagtgtctag 240
acttcccatt atacacttga ctatatgcct tagccaaagt taatatgggg gaaccttatt 300
cctttttagt gaattcagtt caacaagtaa caggctgtca acatagcctc accccanaat 360
ccttcactta naccgaata ggataacatg gaattcacca tttctttcaa ggttttattc 420
ttcctttcag ctacaccatt ctgggttt 447

<210> 3451

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3451

agcttgtcac tatgtattnt attngagtac ctttcagaga cttattgaaa atatctgcta 60
cgcaatcatt tgaattggag gagtggtaat gacttcagat taaatcttct ctctaataaa 120
ataacaatca atggccact aaactgttaa aaccataatg ctaaataaat caaaccaaac 180
cctacgggat tgtatataga tatgacaaac tagtccaata gactcccctt gagcaacaaa 240
tcaagtaagt ttctccatat aaacctcatt gtcaagatca ccaaagagaa aagcattctt 300
ggatcatgaa tatctagntg gagtaacagc catggacaaa aacaagcaaa ctgaagccat 360

tttctccact ggcaaggtgt ccccttaatc taattcaaaa acctatagat tcccttgggc 420
tattacacaa gccttaagac aatcaagtcg accattgg 458

<210> 3452
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3452

agctntgagg attntcaaac gacaataact ttttactcgg atgtctgatt aagtcccgtg 60
atatatcgag acgctctaaa ttgaatgttg aagctctgac caaattcaaa cgacgataaa 120
tttttactcg gatgtctgat tgagtcctgt aatatatcga gacgctcgaa attaaatgtt 180
gaagctctaa gcaaattcaa acgacaataa ctttttaact ggatgtgtga ttaagtcccg 240
taatacatcg agacgctcga aattgaatgt tgaagctctc agcatattca aacgacaata 300
actctttact cggatgtctg attagagtcc gtaatacatc gagactctcg aaattgaatg 360
ttgaagctct gaccaaattc aaacgacgat aactttttac tcggatgtct gaatgaagtc 420
cgtaatacat cgaga 435

<210> 3453
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3453

agcttccttt acacaaagag aagagnaanaa tgaaggattg aagaaatata agtagtgggg 60
atgtctcatc cacctctagg acctcacaac cactcacaaa ctcatctcaa gctctcggga 120
cgacttcctc ttcaagctcc attctttgca ggtctttgca caaaaaaatc tctcaaaact 180
ctatggattc agacacttct ctctcttgaa tctctcacat gcagaagctc ctcgagaaaa 240
tggccaaaat ccctggaact tggacctttc tctctagaaa tctctaaaca tgcagaagct 300
tcgagaattg cccaaactcc tctccaaaat ctaatttcag gcttaaataag gtggctntgt 360
ttgtgctagc gcgcttagcg tgactatgga ctgctcagca tgcataaacc aaaagaagaa 420
gacaagcaag aaaccaaaaag atgaaacana agctaaac 458

<210> 3454
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3454

 agctttctcaa ggaggtgagc ttagttatta gaggggtgtg tgtatctaag ctctagcttc 60
 tcaaggaagc ttctcaaaga agctttctcaa ggaagtttct caagaaagct tctcaaggaa 120
 gctttctcaag gaagtttctc aaggaagcta cctaggctat aaatagaagc atgtgtaaca 180
 cttgttgtaa ctttgatcat ttgagaatta cacttcanag ttcagtacaa ttctgatatg 240
 gctccagatt gaatgtagct acagaacttg tgcaagaagg atcatgagtc gttcaaagaa 300
 tacaccaga ggtggaggga cctggaagct caagtagtgc cccaatgac ggagaaggag 360
 atgataaaaa tgatagtaca cacattacca gtgttctact atgagaagtt ggtgggttac 420
 acgccttcaa gc 432

<210> 3455
 <211> 448
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3455

 agctttctact tatgtggcag ggcgggctta cttcaccttc ttgtctcaa cggaacttt 60
 gaccattgtt cttccttccc gcgatgcttc ttttcatgtc tgcttgagtg ggcttatagc 120
 ctaaaccata cttccacga ttaccttggg tatttatcag tctagttatg ccgccgctgt 180
 tttttcctaa acccatcccg ggctcataac cgttcccaa cataactcgg gccatcatta 240
 ccgctgcac ggacagacta ngctgccccaa agagggagtc cacggaggaa atgctgacca 300
 cctcataaga ctggaaagca gtttctaacg attcttctgc ggcttcaca taaggcatgg 360
 aggatgggca gcttaccaag atatcttctt cgcttgacac aatgaccaag tgcccttcta 420
 ctacgaattt cagcttttgg tggagcgg 448

<210> 3456
 <211> 442
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3456

agctnttaac catgctgctn ggaatctaata cactgaatca atcatgtcac tgagactcgg 60

aacataaatg aacttctccc ttgctatcat tctttttctc tattttttct ctctctctag 120

ctgccttgct atgttatata tctatcttca tatacaaagtg atactctctt tttacttcat 180

ggtgaataat taacctacct aggtctacaa tgacggactg acacttccaa gagaagagtt 240

tgaatccaga gaatatcatc tgtggcagcg actaaacttc tatatttagc tgcagggggcc 300

acttctatat cagttgtggc tttgtatcta ttgatactgc catcagaatt actaatgatc 360

aagcacacca gagaaaagat gttatttcat atacatagac ctaaacattg atctactaac 420

ccgtgtgctt aaggaccata ta 442

<210> 3457

<211> 447

<212> DNA

<213> Glycine max

<400> 3457

agcttgatg atagagggtt gcggttataa acatattagg gtgatagatt ggtggataaa 60

gcagcctgga cccaagaatt tgcgcacttt tgtctatctg atttaagttt tagttcctct 120

tctggatgc ttctttcatt atctggagaa gaatcatctg gaatggattt agatagcgag 180

tcaacaatca tccgcgcact atttatgcta gcatgaagag ttaggaactg ctctactgca 240

ggctgtgggt tttgttctt atcagaatta cttagctctg catatacact gccaaaaaca 300

tcacaaaata agagtcagaa acaatctgtt atgctgtatt gcaggagggt gacacaatat 360

aatgcctacc atcccataga agaattgtgg aagacgtgga tgattaacat aatatatgcg 420

taaacccag tctgtctgta tgattga 447

<210> 3458

<211> 381

<212> DNA

<213> Glycine max

<400> 3458

ttgattgtac ttccactttg acaagtggtc aacacaacag accgctccgt attattttgc 60

ccctcttcta gaacaataat tgtgtcaccg tgtcaactat ctaatctata aacctcacat 120
 agtggggaga gctgaaacca ccctatcttt attctatttt aaaaatgata taacaatcta 180
 attcctaacc ctctttcttt tctacacacc acagtgtatc ttcccccttac ccccatgcc 240
 caccacctgc gccgagacac cctctacatg cctccatgac acctcttttc catcatttgt 300
 tcacatacac aaacatacat gatccccctc atcttaactt gtcccaagat atactaacca 360
 tttaaaaaac tgcgggaaaa c 381

<210> 3459
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3459

agcttcttag cattgccaac aaagtaagat tgcttggttc tgaattntcc aatttaagaa 60
 tagttgaaaa aatactggtg actgtccctg aaagatttga ggctactatt acagccttgg 120
 agaatactaa ggatctgtca aaacttacct tggcagaact tgtaaagtct ttgcaatccc 180
 aagagcaaag aagaagaatg agggctgatg attctgtgga aggagtattg caagctaaat 240
 tgcaaattaa ccaaggagag aaaagcaagt ggaagaaata caacaagaag aatttcaata 300
 cacaagaagc agcgggtaac actagcaaca aaagtggaga caacaacaaa ggatttcctc 360
 cttgcaagca ctgtggcaga atgggtcatc ctcttttcaa atgttggaga agacccgatg 420
 ttaagt 426

<210> 3460
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 3460

agctttgaga agataaaatt ctataatgat gtgattattt ataaattctc attgacggag 60
 gaattgttgg agaaaaattc aaattctaaa ataaacaaag ttggtgaaga ttcaaggaga 120
 ttcttttagg aatttgcgtt tcaaaccttt aggattttat ctagatttaa atatattatt 180
 aatttgtttt aacttattct acatatttgt ttcttgtttt aaagactaca acatgataat 240

attcggattc tgtagcgcta tttagctcta tatagagagc caacagaata attctacagt 300
 atatttcac taaagatccct tgaacatgtg gataaatctg ttgtgtgaaa gttttccaac 360
 agccttggct tcattagtgc atcactctag ctgctcgctc tttggacaca tttcgagaaa 420
 t 421

<210> 3461
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 3461

agcttcccaa catggtttga atgtagcaag aacatgggca ttcaacgatg gaggttacia 60
 taatgccctt caaatttctc ctggttctta caacgagaat gtcttcaagg tatcaatcgt 120
 atcttaatta atttactacc aaaatagttg tatgtctatta ttgtgtgcac acatgagtag 180
 tttttttttt caaaaataat taaatatatt aatttatatc tcaataaaaag aatgatatta 240
 attactccct ttcttcttat atataagact caattaccta attcattaaa attaagaaaa 300
 atgggtaatt tag 313

<210> 3462
 <211> 165
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3462

atgcaagtca atnttcaaga ggcattctctg agaggatctt tttcgggcat atttgcacaa 60
 aaactcttga actaggaaaa agatagccat catctttctg ttcttagtga aggcagtttg 120
 aagggtcccca ataatagact caaacactgg ggctatgagg gtggc 165

<210> 3463
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3463

agcttcattc tgcactctga aaaaaggatg agatagttgc acataagaga aagcttctctg 60

atcatgaggg agctaacaaa aattttcatg gaggttgacc ttcttcgagt agttttgact 120
 tccagcaccc tcttatccct cttccatttc cacctagagc aattccaaac aaaataatgg 180
 aagaagtgga aaaggagatc ttggagacct ttaggaaagt agagggtgagc atacctctgc 240
 tagatgccat caagcagatt ccaagatatg ccaagtttct aaaggagctt tgcaccaca 300
 aaaggaagct canaggcaat gaaaggatta gcatgggcag aaatgtgtca gcattgatag 360
 gtaaatatgt tcctcacatt cctgagaaat gtaaggaccc aggtactttc tatatacctt 420
 gcattattgg ggaacagtaa attgagaatg tcatg 455

<210> 3464
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3464

ntttgcncag tcggtcccgt gatcctctag agtcacctgc ggcatgcaag cttanagtat 60
 gcccgagtca ttcattcccta atgatgatgt gtgaagtnat ggcgatcaga attgccattc 120
 cttggattat atgggtgaac caagctcatg cttttacaaa aaggttcatc aagtcaagtt 180
 gaaatatgga aagaaccgtc ttgccaaaat ggggccaaaag atgaatcgag acacatcact 240
 gcttcgtcta cttgccaaac atattaggat tattggatgg ctttgtactt tcagttcacc 300
 ttgccccaaa ggcataacca tggggaaatc taaatgattc aaccatatac ttgacaaaac 360
 ttaactgaca tattcgatac atcatgtttt catggttgca tgtaatggct tcttcttigna 420
 agaaatanat tactattact aatttattaa agtggttttt cttgttcaaa aa 472

<210> 3465
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3465

gcttggaat gatttctata caaaaattag ttgtataaag cgactaacag tcgacaaggg 60
 tgttgccctc gctcctacgt atcctcgggt gcgatgagga aatcagacct acgtagttct 120
 ttaagtttga aattttgttg gttaaattgt tttatcttt tttgaaagat tgattttaac 180

cgagcaaaag tcgtttaagg tggtggacct canaatgac ttttgatttt tgaaaagagg 240
 agagagtcgt taaggcattg gaccttgaaa tgacatcttg gtttttgaaa ggagagaatt 300
 gttaaggcat tggaccttga aacgacctct tgatttttct tgatgaaatg aagaagctta 360
 tg 362

<210> 3466
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3466

agcttggtag taactctatg gacttaaact agctagccgc aaatggtagt agaagttgaa 60
 tttcttgctt ctccaacttg ggtttcaaca ttctatagtt gatcactcct tttttatcca 120
 tcacacagtt gattccctta ctactcgtgt atgtagatga catagtcatt gttggaaatt 180
 ctatggatat gataacttca ttcaagcaga atttagataa tcaatttggg cattcttaag 240
 ttctttcttg gtgctggtgt tctcagtgcc aaacctgcaa gcacccttc tgaacctacc 300
 tttgagactt cgccaagatg tcgtcctat acctgacttt cacacgcca gatatatccc 360
 atgttgacca acaacttagt caattttcag ccttcccaac agtgagtcac tatcaataag 420
 cccaacgcgt actttngta tttgaaaagg aatccca 457

<210> 3467
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3467

acagcgtgca agctgtatgc aagccagtac atangaggcg tctttgggag gatttttttc 60
 tggcatactt gcacgatatc tcttgaacta ggaagatgat ggccatcatc tttctgttat 120
 tagtgaacgc cgtatgaggt ttcccaagaa taccacact gactggtggt atgcaggagg 180
 gctgaattat aaacaccaat ttctttatat aaaataacat agcataagca cggagacggt 240
 gtacgagtcg aactaatatt tatcggccaa ggacacctac ataaccctcg atcatcatga 300
 ttatttgatt gaaaactgaa atatc 325

<210> 3468
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3468

agcttcaggt tgctcattga ctccaaattg ttgcaaagaa ggacagagat ctgtatggtg 60
 atctgcaaaa aaacatagac cacagactct ttcaataggt gcagatgcag atttctgatt 120
 catggcaagc tgagttacta ggttgaccaa ggcatacaagt tttcccttaa gctttttatt 180
 ttcaacagat gaagatgaat ccgtagggcac ctcatggact cctctaagga caatagcatc 240
 atttcttgca ctgagttggt ttggagttgg aagccatctt ctcaatcaaa ttcttagcct 300
 caacaagagt catatcacga agagctccac cactggcagc atcaatcgta ctctctcca 360
 tgttgctaag tccctcatag aaatattgca gaaggagttg ctcaaaaatc tggtaggtgag 420
 gacagcttgc acacaatntc ttgaa 445

<210> 3469
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3469

agctnttgga aggatcgaga agtgccttat gaatcctccc gtgcttatgc caccggtacc 60
 tggaaggcct ctcatcttat acatgacaat cttagacgag tcaatggggg gtatgctggg 120
 gcaacatgac gaatccgaaa agaaagagcg cgctgtttac tacctaagta agaagttcac 180
 aacctgtgaa atgaactact ccttgctcga aagaacgtgt tgtgctttag tatgggcac 240
 ccacgtccta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
 ggtaagaac atctttgaaa agccagctct cacgggacga atcgcccagt ggcaagtcct 360
 gctatccgag tttgatatag tctacgtcac ccanaaggcg ataaaaggaa gcgccttagc 420
 agaattattg gctcaacagc ctcttaac 448

<210> 3470
 <211> 449
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 3470

agctntcatc aaatatatgc atgttttcaa taatgcaatt agtaagccaa tcacacaaac 60
 caatcatcaa atataaatgt ggattaaata ttaatcgatg tcaataatat gtttagtagg 120
 ttatgtaact taatgtgaaa attttcaaaa attttaataa ttgcagcatt agtccaattc 180
 aacttaatgt gataaataca ttggtcttca aatttcacct caataaatta tatgacttat 240
 gtagaaaaat ctagcaaatg aatctagcaa aatcaaatat ataaatagaa aattacatta 300
 gacgatgtta attaattctc cttcatcatg atcattacga ttagcatgaa cgtgattagc 360
 ttctttcttct ccgacaacat taggagtgat ttgtatggac agaggactaa cataggtgtc 420
 catgtatgaa tcatcatctt ctacattaa 449

<210> 3471
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3471

agcttcacct taggccgctc ttgatggatc tattcatgcc taacacaatg gaccctatag 60
 actgaagaag gaacaatcaa ctagacctcc tttggataga ggtccaatga tcttaccagc 120
 agttggcctg actgtggctt tggctctgcc tactatcgag gctcatcatc acagcgctag 180
 catgtcttcc ctttgctatg ataggccttc atgggagggg tcgagaccaa taatatatga 240
 tgtttgcttc atgcgaacca tctataaaag atgaaaaaaaa aaagtcatta taataaacia 300
 ttatatattag ctaagacatt gaaatacata attgaacatt ctatctgtct aagagtaata 360
 aanaaatata caacagaatg atttcgctgt gtgtctcatc ataatgcaca atagaatcac 420
 gatttcattg ggtattattt cg 442

<210> 3472
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3472

agctatcact gcttcttctt tccaatcctt aattcatgaa ccttagatct ctcctttnta 60
 ctcgagaaac cttcttcaca ttcattctta ctttcatcaa tggcggcctc ttctgaacat 120
 aatatctcta caaaccaaga cacttatgct aatactgaga gaagcatacc attgccaaca 180
 ccaacaatgg ccttgaatta gttcttatta caggctcgtga agaagaatgt aggaaggtgt 240
 gggaaaccca tgccttgaat gagttctctc tgaacactaa aaacatttgc tttgcaggtc 300
 cttaccaccc taaactagat tatgaagtca ttaggagttg gttcccaact tataagaatg 360
 aacaccata atccacaagg aaaccattag gaggtagctt ctaaaagaga agagtggat 420
 tntcaaagcc tccctgccta 440

<210> 3473
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 3473

agcttggact atgactacga agccattata ctattggaat gcgatatatg taatcacgct 60
 ctcttttgat cctgtcgaa actacacgca gactctgttt ctttccatta aaaaaccttc 120
 ttccttcttt tgtgcttatt aacaagact ttgctgtgca agataaatga gaatgatcta 180
 ttcaagcatg actggaggag cagatcatga gttcaagtgc tgcagatata tcctagaaat 240
 ggatactagc attccttgct ggacttctca ctgagattat agccactctc atcaatcctg 300
 cagatgagaa tattgctggg tataagcttc tggctgagct taaatacgtc 350

<210> 3474
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3474

agctnttcaa catggcatgc anaatggtag acctgatccc cacaactagg accattttta 60
 aacttgtttt tctcactcac actgtccata ggtctaagct tcagtcttct caacacgaac 120
 ctctactggg gtttcaactg acttagctgg ttgttctct tcctctgtgg ttgctgggtg 180
 tgctactgct gctgattctg tttcagtagt ttccttaagc ctctctgctt cttctttcac 240

ttcttcagtt ttctcctctg atttctcttc tgetggcttc tcttcctctg tctcctttgc 300
 caccacctcc tcggtctcaa ctggaacttc ttaggctcc tctggggcta cttctgtagn 360
 tgttttctct actggttctg ttgngcctc gatggcttct tcctt 405

<210> 3475
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3475

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 aaacagagca aaggcagaaa actctgctca acacatcaac caaatcaca gcttttctca 120
 cttaaagacc acagtaacaa ttccttcgat ccaattcggt aaccgttgga tcgactccaa 180
 aattttactg gaagtctata gtgcataagc ctacattgtg gccgttgga tctactagca 240
 aatatccaga actcattctg tactactctt tccacagcca accacacaca agcattttct 300
 gcaccaagct aaaatcctgg tgcacctaatt ttgacagcaa aattctgcat aagtgcagat 360
 ttcgaaaatc acancttccc tcatccaatc ttgctcaaat canatcctac aagtcccaaa 420
 tcaggtatca aacat 435

<210> 3476
 <211> 114
 <212> DNA
 <213> Glycine max

<400> 3476

agcttgcgct tgagttgcta tattatcctc tgatcgactc tactttttat tctcttagct 60
 aaaggctcaa ctctcaagga cacaagctca cattggcctt attattatta gctt 114

<210> 3477
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3477

gttgaggatg gagaattgcc taagcaatca ctacgcatgg ctccaagctc caggggtgaat 60

gacgcatgaa cgaaatcgcc attcatggng ctccgaaaag ggggttgagga tggcgaattg 120
 cactaagcaa tcactatgca aagctccaac cttcctgngt ggaggacgca tgaacggaac 180
 gcaattcatg tggctccgaa aagggttggg atggagaatt gactaagcat tacttcgatg 240
 gctccaactc gtggtggagg acgcatgacg aaacgcactc atgggctccg aatagattgg 300
 aatgagattg cctaacacat acgcacat 328

<210> 3478
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 3478

agcttagacc atgtgaactg ctcttgcaact tccatcgttc aatttcgagc ggctcgatat 60
 attatgcgct tgaatcggac ctccgagaga aaagctcaga ccatcatgag cgctcaagag 120
 cttccattaa tcaatttcga ggggtctcgat atgttatgtt cctaactcag agctccgagg 180
 caaaagttat gtccatatga atatgtcgag agctctcggt gtttaatttc gatcgtcttg 240
 tatatgtgat gtcctgcat cgcacctccg agtgaaaagt tatgaccatt tgaataccta 300
 gagagcgctc gatcttcaat ttctagcgtc tctatatgtg atgcgcctga atcggacctc 360
 ctaatgagaa gcaatgacca tctgaattta tcaagagctt ccgctgacaa attcgagcgc 420
 ctctatatga gatg 434

<210> 3479
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3479

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 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttcactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattggc cgggtgctgac aacatccgtt 240
 gaaagagctt tttcagcaat gaagattatc aagtctaaat tgcgcaataa gatcaacgat 300
 gtgtggttca atgacttgat ggtatgttac accgagcggg agatattcaa gtcacttgat 360

gatattgata ttattcgaac atctaccgca cagaagtctc ggaaaggaca cttgcctcgt 420
aattntatatt aaccgcgtat tgtaagat 448

<210> 3480
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3480

ggatactctc agtcacctgc ngcatgcaag cttcaagaac ccgatcaaga gtaagcccca 60
ttatatattc ttaatgaaag cgatatcttg gaacgcattg tgaatggccc atcagcctac 120
ccagaaatatt ctaaaaatgc tatgttctac tcaccattca gatttgctat ttattacaaa 180
acatttgaca tatatcaccg atattcatga attctattga cataaaaagc gttccctcta 240
atctctaggc actcacaaca tatagagaca gatagaatag tc 282

<210> 3481
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3481

agcttcttat ccaaggctca tcttggtggn gaagctcctt cttccatggc ttattcccgga 60
gtggatggca cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgttgga 120
aatcaccatt aaaggacctc attgaagctc aagatccagc ctccatagaa gccccacaag 180
caagcttcca tcaagtggta tcggagcaca agagcttcaa gtaggtgctc cttanacctc 240
cattaattnt tttttgcttt accttctctt ccattgttgt ttcttcatta ttatccatgt 300
atctcttcac atgtcttggtg ctanatgttg ttaacatgat tctttataat ttccactgat 360
tgatcttgct atagaagctt gatttcattt tctatggctc aaatttcttg ttcattgtct 420
tgaaccatga g 431

<210> 3482
<211> 392
<212> DNA
<213> Glycine max

<400> 3482

agcttttcatt gttgacaact aacattgtta attgatgacc gtgatgcatg tttgtgccag 60
 atcattgaca atgtttcata atgcagaata atttattctt ttgcagcatt gtgatttttc 120
 aatcacactt ggatttggat aggttccaat taaggcaaaa attatgatat ttgcttgatc 180
 aactaaaatg ttctttgtac atatttttct gtgtatataa tattaattta tgtatatcta 240
 atttttaata tttctgttat ttattgtgat tgtatttttt tatttatcat gtgatgtcct 300
 gggttttatt tgtaggttt ttttatcatt ctaatcacat tggatgatgat gtttaattta 360
 ctgtgatgct atacttgtga ccttgctacg aa 392

<210> 3483

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3483

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 ggtgattttc caccatggag atgtagcgga agacaaagga gaagaggtga gaggaggcgc 120
 catccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180
 agaagcttgg aaggatgctt caatggagga aaagaaaggg gagagaaaga gagatggggg 240
 agctcgaaat tgaaggaaga aaaagggaga gaagttgaac tttgagttgt gtctcacaag 300
 actctcattc atcanagtta caacaagtgt tacacatgtt tctatttata gactaggtgg 360
 cttccttgag aagcttcttt gagaaaactt ccttgagaag ctagagctta gctacacaca 420
 cccctctaata aactgagctc ac 442

<210> 3484

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3484

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 tcagttagct agctagctag gttgtgctct ctctattttaa atcaagagtt tacctgtgta 120

gtaggggttg cagaaaaatct agaagattga gaagccaagt gctgaagagc ctgaacaaat 180
gcagtttgtc caaatTTggc acaatattgc cagtaaatat gacataatcc catcctctag 240
ccttccactc cattaatggt ctgtcaatgt cattttcatg ctttgatatg taaggcctca 300
acagagtctg gtaaacaatat cccgtccctt gcatgatgca acattttaag taatatattt 360
aaaaggggtgc gttgttggat tcctcacgtt cacactatta accataaaca ctattntagt 420
tatatacttt thtagagtat cat 443

<210> 3485
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3485

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tgagggaatc ttttggaggg cccaagtgga cctgggtgct atttacaccc ccctttttac 120
taaatgcacc cccttatata tttttctgta attctttttc cgtaacgtta cgaaacttta 180
cgaatttcgt aacgatactt attttccttt ccgcaagggt acgaatcctt acggattgat 240
gaatatactc tttttggctt tcaaagaagt tacggaaact cacggattgc gcaaaaacac 300
ctcttttcga tttccgccac attacggaat ttcacggatt acgcaagcct gctttcttta 360
ggatttctga gacgtctcgg gacttcattt attgcatgtc atcaatttat aatcctcgga 420
cgaaattaag ggatgacagt ngccctctc tact 454

<210> 3486
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3486

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tctcctttta ctgaggttaa ctagaatacc atgggtcgcg gtgtgaaagg aaaagtgggtg 120
ctaaaaaata ttcattggga ttattattct ataaattaat aagactgtgt ttggcaatga 180
catgacttga tttattcaat ttatgattta taaaatcnaa caggaaaatg gagcaatgaa 240

ttactttatcc agaatgttga agcacctcaa gtacaatggt gatgccccaga tttaacacta 300
 atgttttaatc ttgatattta agtgtaatgg gaaaatcacc catttttact gaattatggt 360
 tagtttctcat attacaatga ttattgcttt tctgctaact attactaatt tctaattgat 420
 catatgatgc tccatcccat gtacttacag tctcat 456

<210> 3487
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3487

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 tttattttacc aaaaaaaaaa agcatcctca cttaatttga taatcgagtt attgtattgt 120
 atcatttttgc cgaggagaaa atcagatagg acgggccttt ttaggtccaa ataggatatt 180
 tttaaggata gataattttg atattatctt tttaaacata agttnatatt tatatatatt 240
 ttaaataatta tattatgtca cttgtatggt gatattattt gcaatttcct atttaataga 300
 gcatgctgta caagaaatta tcaaaatgaa gaaatcataa ttntatcttg gttatctttt 360
 tatagnnttt tttctagtct tttgtggcgt tttcttagga atagaattaa gtagttagc 420
 tcaagggttg gcgtttccta aaaaacacca taaat 456

<210> 3488
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3488

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 gccaaactaac taactatttc tgttaaagct gtttatactg ctaagagccc ccctcaagct 120
 gggaatggat attcatcatt ccagcttgt tacaaggtg ctgaaaggtg gctggctgta 180
 aagcttttgt gaatatgtcc acaagttgca ttganggat agaccggaag gagcttgacg 240
 agacccgcag tgactttgtg gcggataata tgacaatcga tctcgatatg cttggtgcgt 300
 tcatggaaaa cggtatttgt tgctatctga attgcagatt gggtatcaca atataaagt 360

<211> 414
 <212> DNA
 <213> Glycine max

 <400> 3491

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 tctgaagaag ctattctaaa tggcccaaaa ttgtattctt gagtctttaa tgctcgtgct 120
 gaccaagctt ctgttcctgg cctgtttatt ttcttcactg aaataaattg tgttctgtgc 180
 tgacgagtgt gctgtaagaa actgactttg gcgatcttaa cctacctaact actctatctt 240
 gaaaacagga aaaaccgagt ccatggatcc aaattcaaga attatgggtc ctgaagatag 300
 gcatggactc catgcaattg atattttgga ccctgacttg gtatgcttgt tttaaagttt 360
 gttgaagtgc aatgcagata tccaagcaag ttattcatga atcctatata attc 414

<210> 3492
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 3492

 agcttctagc acaatggact taccttgaat taattccttt gataatcctt ttgagccttg 60
 tgtccctttg cttgattgga cgctcactac acgccttaag tgataaacca gtcgatatca 120
 ccatatcctt aaagaatttt ggagctttgc aattgatttg ggaataagcg cggaggggta 180
 taattcctat tgacataaaa gtgttccttc taatctctag tcatcacaaa catagagaga 240
 cagaaagaat agtcgaggga gtgaaatctt gtttttctct tatttcaagg aatcatagta 300
 cacaagagag aaacctcatt atggagaaaag gtacgcattg tctatctatt atttgtaga 360
 atcatatatt tcaagaattt attgggtttc ta 392

<210> 3493
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3493

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 attataagat tgttttgaga gtgaaagatc gtaacaacta aactgatta aaaaaaaaaa 120

aaaaactaat tgtacctgta ttggagacat atccctttgc atataatcaa gaggggtcca 180
agaggcaagc ttttcacaag ttttagaacc canaatacag cctctaatag tgttccaata 240
gcgaggatcc tgaattctct tcctcaacca tgggtagtaa tcttgaagac gatactcctt 300
gtaaaccctt ccaggcactt ccacaccacc gcccttgcta gtcacaccaa aaccaaatat 360
tgtgaagccc atgagtgtctg ctatgaggaa caacatgacc accaagtaca accatagtgc 420
acatgccaca tgaaaacatg 440

<210> 3494
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3494

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ctaagctcac ctccctgaga tgagaagcta gaacttagct acacaccccc tataatagct 120
aagctcacc ctatgacaaa aaacatgaaa atacaaaaaa aaattcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg accaaaatac 240
aaggcccaaa cgaaggaaaa acctattcta atatttataa agataagcgg gcttatactt 300
agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct tcccttggat 360
ctctagccca atctacttgg agtattctac ccaatgcctt tgcgngntag gattgcatca 420
cagcagagtt tgaccttca 439

<210> 3495
<211> 436
<212> DNA
<213> Glycine max
<400> 3495

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ctaagctcac caccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc tcatgaccaa atacatgaaa atacaaaaaa gtccctacta caaagactac 180
tcaaaatgcc tcaaaatata aggctaaaac cctatactac tagaatgacc aaaatacaag 240

aaaactgcct ctctgttcgt tagaagttca

450

<210> 3498
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3498

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tcaaggtttg agaagtgaaa atgagaatgg ggtaaatttg gagcaaactc tcacctcaca 120
caagtctata acattaatct aaacttgctc aaactggttt tacgcctaaa attccaccga 180
atcaaaattt gactcctcaa cacccaattt taccctagaa atggctcttg ttttcacttt 240
ggtcactcat attcctcatt tgcacagtct aagctttctc ttaagtccta aatgacattt 300
caaactagga ttaactcact ttaacccccca attaccactg aattcagatt tagccttcca 360
actctcaaag cctcactctt tttccactaa taacaccaca ttctcacttt ctaaccctag 420
gttaactcta cccttcatct ctagcagttt 450

<210> 3499
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3499

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gtgggccatc gttgaccaat acaaggagaa tctaagtcta gcggcaaccc atgaacaaag 120
gctagcagat gagtatgcaa aggtatcggt cctacaagaa gaaagggaag ccagagaaag 180
agtgatcgat tcattacaca gagaagcaat gatgtggatg gatagggttcg ctttcacctt 240
gaatgggatt taagagcttc caagactgct agccaaagct aaggcgtagc aaacgtgtac 300
tcggccccca aggaagttca tgggctcctc gattattgtc aacacatgat caatttgatg 360
gccacataa ttaggagcca ataaggcggg catattttcg gntaattttg acaagataaa 420
cattnttggt ccttaatgaa aaataagttt gtttcag 457

<210> 3500

<211> 445
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3500

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 caagaagagt taggtctagc cgcggccac gagcatagga ttgcggaaga atatgccaa 120
 gtatacgcg aaaaagaggc tagaggaagg gtgattgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta 240
 gccaaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacgtaa ttagaaatcg ttaggaaact 360
 tgtatggtct ctcagacctt gactagatac gacttccttt ntgaaataaa atgagttggt 420
 cccatgtttc tactccaaaa agctt 445

<210> 3501
 <211> 472
 <212> DNA
 <213> Glycine max

 <400> 3501

 cctgcaagca tgcacgctta ccattaattg cgcacctgat gtggaaaata ttttcttttt 60
 atgtgtcatc caccggttat atctagcata tcaccttgca aagcttcttc cacaagctct 120
 tcttcactt cttcttact gatttcagat tcaactggga tctctccatc tgccttcattg 180
 atcatggtcc tccagggttg acagtcagaa gcaatatgta ctctgcctaa gcattcgaag 240
 catattatgt ttctggtgtc cgtgttggat gatgagacaa aattatgctt ggtttcatta 300
 acttacattg cattaaattt cattacaaaa ggcaaaataa atacataaat ttgacaactt 360
 gatcttatcc tgtaatgata tcaatataac acacatgtta taaattacca caaatctaac 420
 agataagata aaataagaga tatacacatg atcttacata tctaggagag at 472

<210> 3502
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 3502
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 ggaacccact aaacgaagga aatagaattc aatagctgaa gctctgtcac aagaaattgt 120
 gtcgaaaatg acatagccta agctttttctc aacaacatca gaagaaaaaa aaataacatt 180
 atactaaact tagtaagaac acacaaaatg gatcaattac aaagtgaaaa tgacattata 240
 ctagatctaa acaaagtact tcccagataa agcataatct gatgccatga gtcagtcata 300
 cagttatctt agcaaattat ttttatgata aaactaactc actatgttgg agacaagctg 360
 acaaaaatac ataatagtgg aaacagaaat gaatagactc tattatctta cattagattg 420
 tggcacanat ggagcagcta gta 443

<210> 3503
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3503

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 ttgttttggg ttattggtat actacttgct tagctcttca atcatgaaca tggttgatct 180
 agtcttctcc agatttttct ttttttcatg tagtatatta aggtggggtt actttttttt 240
 ttgttagaat aggtgagtag gctaagtaag gaagacggcg ggagatagtg ggtaaccaat 300
 actttacagc attgtggtgt gtgggggggtg ggtcatgaaa ggcgtatatg tgtaattttt 360
 tttccctttc caatcctttt aattaatgat atgagggatg gaggttaatg caagtcatca 420
 ttgtcttggc attttttagt 439

<210> 3504
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3504

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 agattctatg ttataacatt taaaatataa aactacatta tgaaaaatgc aatggtaagt 180
 aaattaaata ctttttcttg agagattcat aactaataac gcgaagttga aatagacata 240
 acgttttaag ttgaaattct attaatttac aattagtatt gtttgattga gtagaaagaa 300
 aagtaaaaaa agattaataa aattaaatta aaatagaatg tacaaatata aattctgcat 360
 tattttactg gttattattt tttttattct cttttttctt aaacgaaacc ttagtattct 420
 tataattgaa tgagtttttt atgtcca 447

<210> 3505
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 3505

agcttgagat gaggaagtgt tgaaggggtga aacttcctgc ttttattgat gaccacagag 60
 tgggtacctgg agatatgtcg cggcggtcaa gagaccttgg ggacgtcagg tggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccggg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagcttct ggcagtcac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
 tgggtctctgg taatcgatta ccaacgcggg gtaatcgatt acaaggctta taaatgaaga 360
 caggaggcta agatgggtctc tggtaatcga ttacc 395

<210> 3506
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3506

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 atttaacctt ttagatgacc ttcaatggag agattcccac atggagaggg gaggcgccat 120
 tcaatacggg atatgcttgg gtagatagag cttcatcacc tataatgggt ctttggtaat 180
 gaaccttaag aagacgcttt accggaagaa cagaacggaa tagaggggtg tacgagattc 240
 aaggacattc ataggagag aagtgaacca ttgatgagcg catcatacga cttctatcta 300

tgaaaattac atccagtgtt acacatgcta atatttatct actcgttgct ctcttgacta 360
actttcttga gaaaactctc ctgtgatacg tcacttaaaa aactcccttg ctaaactata 420
gcttacatac acacacgcct ctaataactg aacctacctg cgtgagaagc tcaattgtag 480
agatctctn 489

<210> 3507
<211> 419
<212> DNA
<213> Glycine max

<400> 3507

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ggtcataact tttcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120
ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgtccga 180
ttcaggagca tcacatatag agacgtcga aatttaaattg ggcataattt ttcacacgga 240
tgatcgattc aagcttataa tatattgata cactcgagat tatacatcgg aaactctcga 300
gaaattcaaa tgggcataac ttttcacacg gatgatcgat tcgagcgcatt aatatgtcga 360
gaggctcgaa atcgaataac gtgagctctc gagaaattca aatggcgata catttatac 419

<210> 3508
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3508

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cgtcgaagaa cgggttcaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt 120
cggaagcgcc tcggcttaga ttttcttcac ggaaacgatt tttccaagca aattcgaagg 180
agagagaagt gcctaagggg ctgggatcct tttccacttc acttctctcc ctatttatag 240
caaaataggg gagatgcttg ccgccagct cgcccaggcg agctcagctc gccaggcgga 300
gcagggttgc ttcctccaga agcaaccgcc ttctggagga atcttctgga gggcccaagt 360
gggcctgggt gctatttgca cccccattnt tactaagtac anccccctct gctgtttttt 420

<210> 3509
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 3509

ccactatgac cctgaagacc ctccacttgc tcggatgact tgtacaacta gagtgcacgc 60
 ttgatgcggt gtatgcatcc ttcatgcca taaccacctt tgagttgtca atgcactata 120
 gggtttgggt attgttagga gggagagatc tttatgggga aaaattttta aaactta 177

<210> 3510
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 3510

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 atgtttctac ttgaaaaata tgagataaaa tcttataatt aagtgcacag tataatatca 120
 gatgaacaca atttgaaaaa aattgaaaat aaaggggaaa tgcttgaaac aaattgaaag 180
 gaaaaataca caaatcatg aaagtaatta tgagtttgaa tttattaaaa tttgcagagt 240
 ttcaagtcac aagataagtt acatgcatat taaaaatttg atttttatca ccaaggttta 300
 agtgacttaa atgcaaagtg aaagattgta tttattaga tgaaccttag ttgaatagat 360
 gcattgaaac tatttttggt tcaactttca agagaactta tttattatag ttggtgacaa 420
 tcttcacgat aaatagagag tgtctgagaa gagaga 456

<210> 3511
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3511

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 atctatatct tataggtggt aggttgaatg tgtatcctct taagttgcat attttctgtc 120
 atcacatgat aaattaatct tattctcaat caatatgttc ataaatctca ttctcaatca 180

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<210> 3516
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 3516

gcttatagat caacttgatc cgtagtcttc aatatattgt tgaaaaatac atatattttt 60
 ataatttgat ttgctttccc agttgaatat attgcctatc aaggatcaac tctcctgaaa 120
 gccatcattg gagtgcata taaaatttaa atgaggacaa tgcgcaggct tattgtgcct 180
 cattttaaaa ttcaaattta attagtagaa tctagctgac aagaataaag ctcttgagtc 240
 ttgaccgctt agtgatgcag atgttttaatt attatgtcca agacctacac ttaaaagtta 300
 agctgaaggt tcaagattag tcttatatct tctattatta ccaatgtctt ttgtagttgt 360
 tgttgtcatt tagagtaagt agtgaagcaa cctaattgag tagcaagtta ggaaaattgt 420
 ttttgatcca aagattaaag ttagctcac 449

<210> 3517
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3517

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 taaagtgcatt gtctacttgt agttccaaag tgtcaaacct ttcaccaaca aaggtttgaa 120
 gaccatcaaa cctgtccaaa atctttgaaa gaagagatga atcttcttca tcatgtcctt 180
 cttcaccaac atgtcgagca ccttcttcta cccaagagcc atcatgttct ttttgataac 240
 caaaggatgc tatgactgaa ggcctataa agaaggatct cttgattgaa acataggggt 300
 caaaatcaag agggatgttg aagtgttgaa ggaaaagggt aacaagatga ggataaggca 360
 atggagcatt caatcgcaat gccttatgca tgcgatatct aacaagatgt gcccaatnca 420
 atttgaaacc tttatg 436

<210> 3518
 <211> 446

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3518

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 tcatttggtta taaaaagaaa aaataaaaga gaaaaataaa tttaaaaatt aaaaagtatt 120
 ttttttcctt ttttctaatt taaatttaac tttcttcttt ttcttcatcc caataaattg 180
 tgaatgatta gttctttggt ctaaaaattc aaagtcagga atttatgtat ttatttagaa 240
 gcgggaaagg aataaaaaaa aggtgccagc tatttccaac aataaacgtg gcccgcatgg 300
 atgagataat tcgaaaacga aatagacggc cacgatcttc ctaaatcaca tttgcgggtc 360
 atttgccaca acttgccttt nttaaaccac actgcgggca cctcaggcct cagccacaca 420
 aagccacggt cgtaaaaaat agaaag 446

<210> 3519
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3519

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 ggtacccgcg tatattttct attaaagcat tcttgtatac gcttatgaac actattctat 120
 atacccatag tggcgagatt tcctaatac tgatagaact ggacggacat tccatttgag 180
 gtcactaag cttctctgta cggtaaaata tcctcaggaa taccacttct catgtcctat 240
 actgtccttg gaatgatgat aagcttatat tgtgcttggg gttaggagac aaaagctgtc 300
 tattattata caaccaactt ggtatagcag tcgcttcctt cttccctgtt tttctgattg 360
 gcgtgctact ttagacaatt ttgaaaatg 389

<210> 3520
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3520

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aacaattgct tgaccacaac agcgctggag ggcacaaggg acaatggctt ttcaaataaa 120
cctgttgtac atgaacaaac aatatatcat acgctgaccg tgccaaacga accagcgaag 180
tcattgcata attgttatac taactataat tcatgaacct gaacaaaatg atttccaaac 240
acatgaccga cacatatgat gcggtggcca gaagaatcag gtggtggttg acttctaaga 300
gggaaaaatg tcatgctntg ttgtcgggac aacgatacaa ggattacgtt ataccgtgaa 360
gcaatcacat atcccatgtc cgttatatcc atccacttgt ccacattaac ctgaatgaac 420
canacatata catgtangta att 443

<210> 3521
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3521

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cttcgctttt atcggttaac atggaccgtt caaaagcata aaatcaacat gtatcttttag 120
cgcttttgcg agaactacgt aggtctaatt tcctcttcga ttaggatac gtaggagcaa 180
aagccccgct tttgtcgacc tcgggagatg gttagaagtc caacgcctta gctttctcac 240
caagtaaaat gaatcattnt aaggtctaac gccttatatg acccccttcc aagtaaaaag 300
aatcacttga ttcgcccctt ttgaaagaac tacgtaggtc tgatttcctt atcacaattg 360
aggaatacgt aggagcatgg gaaaaaccct tgtcaccaca aaaagataaa aaataaaaaa 420
ggcataaaaa gacttataaa aacgta 446

<210> 3522
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3522

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ttaccctcgg aagcaaaaaa agaataagagg ggaaatttcc aatcaaagaa aaagagaagg 120